
REMOVAL AND DISPOSAL REPORT
X-208 through X-210 Test Cell Slabs and Exhauster Tunnels

Pratt & Whitney
Andrew Willgoos Turbine Laboratory
Pent Road
East Hartford, Connecticut

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ACRONYMS/ABBREVIATIONS

CFR	Code of Federal Regulations
CTDEEP	Connecticut Department of Energy & Environmental Protection
EPA	United States Environmental Protection Agency
Loureiro	Loureiro Engineering Associates, Inc.
MSL	Mean Sea Level
P&W	Pratt & Whitney
PCB	Polychlorinated Biphenyl
RCSA	Regulations of Connecticut State Agencies
RCRA	Resource Conservation and Recovery Act
UIS	United Industrial Services, Inc.
USDA	United States Department of Agriculture
UTC	United Technologies Corporation

UNITS

mg/kg	milligrams per kilogram
µg/kg	micrograms per kilogram

1. INTRODUCTION

Pratt & Whitney retained Loureiro Engineering. Associates, Inc. (Loureiro) to document the removal activities of building materials containing polychlorinated biphenyls (PCBs) such as caulk and mastic as well as PCB-impacted concrete located within for the X-208 through X-210 Test Cell slabs and exhauster tunnels (hereinafter referred to as the “Project Area”) at the Pratt & Whitney Andrew Willgoos Turbine Laboratory (Willgoos) (hereinafter referred to as the “Site”) located at One Pent Road, East Hartford, Connecticut. The activities described herein were performed within the former ground level slabs and subsurface exhaust structures of the specified test cells of the Willgoos facility. A Site Location Map is provided as Figure 1-1. The Owner of the Site is Pratt & Whitney, a United Technologies Corporation (UTC) Company.

The subject area for this document is the X-208 through X-210 Test Cell ground level slabs, the X-208 Test Cell exhauster tunnel and a conjoined basement area of the X-210 Test Cell, which underlies the main Willgoos building. The southern portion of the X-210 Test Cell basement is part of the X-208 Test Cell exhauster tunnel. The south wall of the southern portion of the X-210 Test Cell basement is a common wall and is the north wall of the X-209 Test Cell basement. Figure 1-2 provides a site plan showing the Project Area Location at the Site.

1.1 Purpose and Scope

The main portion of the Site has undergone demolition and PCB-containing building materials (i.e., caulk and paint) and PCB-impacted concrete that have been encountered have been managed by Pratt & Whitney as a PCB Bulk Product Waste following the requirements of Title 40 of the Code of Federal Regulations (CFR) Parts 761.60 and 761.62 or were removed as PCB Remediation Waste as part of a performance-based disposal activity pursuant to 40 CFR Part 761.61(b).

The overall remedial objective was to address the building materials, concrete walls and concrete slabs within the Project Area that contained or were impacted by PCBs at concentrations greater than 1 milligram per kilogram (mg/kg). The selected approach was to physically remove from the Project Area, and properly dispose of building materials and concrete impacted with PCB concentrations in excess of 1 mg/kg for the locations within four feet of the ground surface and in excess of 10 mg/kg for the locations at depths greater than four feet of the ground surface.

The removal approach was designed to effectively remove building materials impacted with PCBs at concentrations in excess of the applicable criteria via methods such as demolition and offsite disposal and dry scarification and offsite disposal. For building structures located above

ground surface the general approach for removal was demolition and offsite disposal. For building structures and materials located at or below ground surface the general approach for removal consisted of dry scarification and offsite disposal with some situations resulting in complete removal by demolition and offsite disposal.

1.2 Report Organization

This report is comprised of the main body of the report, tables, figures, and associated appendices. Tables, figures, and an appendix relevant to the main body of the report are provided following the main text of the report. Tables and figures are numbered with the section number where the item is referenced and sequentially based on the appearance in the section where it is referenced.

2. BACKGROUND INFORMATION

The overall plan for the Site is to demolish the above grade structures of the main Willgoos facility. However, portions of the concrete structure of the X-208 through X-210 Test Cells and exhaustor tunnels remained in place below grade following the completion of Site demolition activities. Demolition of portions of Site buildings above or near the X-208 through X-210 Test Cells exhaustor tunnels required that the below grade portions of the tunnel structures be backfilled to provide adequate support for the demolition equipment. Remediation of PCB impacts within the exhaustor tunnel outside of the building footprint and associated below-grade structures was performed prior to backfilling. A general description of the Site and Project Area are presented below.

2.1 Site Location and Description

The Site, located on Pent Road in East Hartford, Connecticut, in Hartford County, is owned by Pratt & Whitney Aircraft Division of UTC. The Site is bounded by:

- to the north formally by the Texaco Oil Company Bulk Tank Farm; currently by Goodwin College
- to the east by High Street followed by residential properties and a new magnet school;
- to the south by the High Court Apartment Complex and residential properties; and
- to the west by the Connecticut River.

Based on a review of the Town of East Hartford Zoning Summary Map, dated August 1999 and maintained by the Town of East Hartford, zoning for the Project Area is designated as I-3, industrial. The areas surrounding the Project Area to the south, southeast, east, and northeast are zoned for a mixture of residential and business use. Some land uses of note within two miles of the Project Area include six schools, ranging from elementary to college level, three parks, and at least two cemeteries.

2.2 Environmental Setting

This section describes the general physical and environmental setting of the Site and surrounding area. The Site is situated approximately 40 feet above mean sea level (MSL), and local topography generally slopes to the west toward the Connecticut River, which abuts the western boundary of the Site.

Surficial soil material covering the Site has been identified as primarily the Udorthents-Urban Land Complex, according the United States Department of Agriculture (USDA) (USDA, 2004). The Udorthents-Urban Land complex consists of areas that have been altered by cutting and filling, and impervious areas. These areas are typically used for highways, interchanges, and closely-spaced residential housing. New Haven and Enfield Soils with 0 to 3 percent slopes cover four acres of the Site on the northern end and are considered non-wetland soils. A strip of Winooski Silt Loam, a floodplain soil, borders the Connecticut River on the Site's western side. ({Connecticut Department of Energy & Environmental Protection} CTDEEP, 1995; USDA, 2004).

Characterization of the hydrogeology of the Site has been limited to the upper zone of the unconsolidated aquifer. The available geologic boring logs indicate that the upper aquifer ranges in thickness between 14 to 22 feet below ground. The glaciolacustrine deposits act as a local confining unit and would limit hydraulic communication between the sandier deposits above the silt and clay of the glaciolacustrine materials and deeper zones in the unconsolidated aquifer.

Groundwater flow directions at the Site have been calculated based on the measured depth to water in over 100 shallow groundwater monitoring wells at the Site. Groundwater elevations, as measured during multiple groundwater monitoring events at on-site monitoring wells between 1995 and 2001, indicate that groundwater flow is generally toward the south in the northeast portion of the Site, shifting toward the southwest nearer the Connecticut River.

2.3 Project Area Description

The Project Area is located on the east side of the main Willgoos Laboratory. The Project Area was formerly used for the venting of the exhaust from jet engine tests performed in the X-207 through X-210 Test Cells. Exhaust was conveyed through pipes exiting each of the test cells into the concrete tunnel. The tunnels consist of concrete walls, floors and ceilings at depths of up to 16 feet below ground surface. The X-210 Test Cell portion of the tunnel is constructed the same as the X-208 through X-209 Test Cell exhauster tunnels with the exception that it was constructed to a depth of 8 feet below ground surface.

2.3.1 X-208 Test Cell

The X-208 Test Cell was an altitude chamber, equipped with an altitude test stand, designed for testing full-scale gas-turbine engines, afterburner component test rigs, and miscellaneous test rigs. Air required to operate the engine could be drawn directly from the atmosphere through the inlet ducting system or supplied under pressure from the Willgoos Laboratory air compressor units. The inlet air could be cooled through the Willgoos Laboratory air refrigeration system or

heated through the atmospheric inlet heater located outside the laboratory building. Engine exhaust could be discharged to the internal powerhouse exhauster units or to the exhauster silencer pit located east of the Willgoos Laboratory building.

2.3.2 X-209 Test Cell

The X-209 Test Cell was a gas-turbine engine test facility used to develop turbojet and turbofan engines and individual afterburner component rigs under simulated altitude and flight speed conditions. Air required to operate the test engine could be drawn directly from the atmosphere through the inlet ducting system or supplied under pressure from the Willgoos Laboratory air compressor units. The inlet air could be cooled through the Willgoos Laboratory air refrigeration system or heated through two Todd Burners located adjacent to the test cell. Engine exhaust could be discharged to the exhauster units situated within the internal powerhouse of the Willgoos Laboratory or to the exhauster silencer pit located east of the Willgoos Laboratory building.

2.3.3 X-210 Test Cell

The X-210 Test Cell was a full-scale engine test stand designed to test gas-turbine engines at simulated sea-level or altitude flight conditions up to Mach 3 where the entire engine was not required to be enclosed in an altitude chamber.

2.4 Building Material Sampling Summary

During the time frame between October 2009 and April 2013, investigation and remediation activities were conducted within the Project Area by AECOM, Loureiro, United Industrial Services, Inc. (UIS) and Clean Harbors Environmental Services, Inc. (Clean Harbors). Investigation activities included: building material sampling, concrete chip sampling, and soil sampling. Based on the results of the investigations described below, removal activities which included the removal of PCB-containing building materials (i.e., caulk and mastic), removal of PCB-impacted concrete and PCB impacted soil.

During the investigations of the exhauster tunnels and basements by AECOM, PCB-containing building material (mastic) was identified on a portion of the south wall of the X-208 Test Cell exhauster tunnel at a maximum concentration of 60.3 mg/kg. In addition PCB-containing building material (caulk) was identified along the entire southern and western walls and a portion of the northern wall of the X-210 Test Cell basement wall, which is part of the X-208 Test Cell exhauster tunnel, at a maximum concentration of 9,020 mg/kg.

2.4.1 X-208 Test Cell

During the time frame between October 2009 and November 2010, 13 paint chip samples were collected and analyzed from interior painted concrete surfaces on the Ground Level and the Mid Level of the X-208 Test Cell. In addition, a single paint chip sample was collected and analyzed from the painted exterior metal doors of the test cell. PCBs were detected in the paint chip samples submitted from the interior painted surfaces at concentrations ranging between 7.08 mg/kg and 62.18 mg/kg. PCBs were detected in the paint chip sample submitted from the exterior painted doors at a concentration of 860 mg/kg.

In August 2013, eight concrete chip samples within the basement of the X-208 Test Cell. Concrete chip samples NW-CC-1974 through NW-CC-1977 were collected to further delineate the extent of PCB impacted concrete in the vicinity of AECOM sampling location CW-X208-CCF-B05 which was collected from the concrete footer of south wall. A single concrete chip sample was collected from the footing to the east and the west of sampling location CW-X208-CCF-B05 and two sample were collected from the wall surface at 1.5 feet up from the footing and from within 4 feet of the ground surface. Concrete chip sample NW-CC-1999 was collected in the vicinity of AECOM sampling location CW-X208-CCF-A06 to further delineate the extent of PCB impacted concrete. Concrete chip sample location NW-CC-1999 was collected from the wall in the vicinity of AECOM sampling location CW-X208-CCF-A06 within 4 feet of the ground surface. PCBs were detected in all 8 concrete chip samples submitted for analysis at concentrations ranging between 0.561 mg/kg to 6.88 mg/kg.

2.4.2 X-209 Test Cell

During the time frame between October 2009 and September 2010, six paint chip samples were collected and analyzed from interior painted concrete surfaces of the Ground Level and the Mid Level of the X-209 Test Cell. In addition, a single paint chip sample was collected and analyzed from the painted exterior metal doors of the test cell. PCBs were detected in the paint chip samples submitted from the interior painted surfaces at concentrations ranging from 46.1 mg/kg to 95.9 mg/kg. PCBs were detected in the paint chip sample submitted from the exterior painted doors at a concentration of 278 mg/kg. In October 2009, two concrete samples were collected and analyzed from the Ground Level floor and walls of the test cell. PCBs were detected at concentrations ranging from 4.65 mg/kg and 6.53 mg/kg.

In August 2013, one concrete chip sample was collected in the vicinity of AECOM sample location CW-RTA11-CCF-F03 on the south wall of the X-209 Test Cell in an effort to delineate PCB impacts to the floors and walls. PCBs were detected at a concentration of 0.561 mg/kg.

2.4.3 X-210 Test Cell

During the time frame between October 2009 and September 2010, 15 paint chip samples were collected and analyzed from interior painted concrete surfaces on the Ground Level and the Mid Level of the X-210 Test Cell. In addition, four paint chip samples were collected and analyzed from the painted metal ductwork of the test cell and a single sample was collected from the painted exterior door. PCBs were detected in the paint chip samples submitted from the interior painted concrete surfaces at concentrations ranging from 7.06 mg/kg to 73.6 mg/kg. PCBs were detected in the paint chip sample submitted from the exterior painted door at a concentration of 7.06 mg/kg. In October 2009, two concrete samples were collected and analyzed from the Ground Level floor and walls of the test cell. PCBs were detected at concentrations of 1.46 mg/kg and 3.99 mg/kg.

2.5 Potential PCB Sources

The Willgoos facility was used for the testing of aircraft engine components and complete engines from its construction in the late 1940s until 2003. As an aircraft engine and engine component test facility, the operations involved the handling and use of jet fuels, petroleum products, solvents, and other hazardous materials. Some of the materials handled and used at the Site included PCBs. The two primary sources of PCBs included building materials and high temperature lubricating oil for the Clarke air compressors. The source(s) of the PCBs identified in the X-208 through X-210 Test Cell exhauster tunnels are not definitively known. However, three potential sources have been identified and include the following:

- PCBs have been detected in paint on the walls of the test cells in this area at concentrations ranging from 7.08 to 147 mg/kg. Peeling paint had been observed in the X-207, X-208 and X-209 Test Cells and may have been transported through the test cell exhauster pipes to the tunnel by rainwater, which may have entered the building.
- Caulk was found along the entire southern and western walls of the X-210 Test Cell basement and portions of the northern wall with a total PCB concentration of 9,020 mg/kg. This caulk was placed on joints between the walls and ceiling and walls and concrete support columns along the southern and western walls. Limited quantities of the same caulk were found along a portion of the northern wall in the joints between the walls and ceiling.
- Mastic was found along the southern wall of the X-208 Test Cell exhauster tunnel near the main Willgoos Laboratory building. This material was placed along the joints between the wall and ceiling, wall and floor, and at locations between walls where there

was a bend in the structure. The mastic material had a total PCB concentration of 60.3 mg/kg.

3. BUILDING MATERIAL REMOVAL ACTIVITIES

Between April 2011 and April 2013, Clean Harbors, Loureiro, Red Tech, and UIS under contract to Pratt & Whitney, completed the removal activities for PCB-containing building materials and PCB-contaminated concrete in the Project Area. Post removal sampling and waste management are discussed in later sections of this report.

3.1 X-208 Test Cell Exhauster Tunnel Mastic Removal

Based on analytical information obtained from investigations of the Project Area performed by AECOM, PCBs were detected in mastic along the southern wall of the X-208 Test Cell exhauster tunnel near the main Willgoos Laboratory building. This material was located along the joints between the wall and ceiling, wall and floor, and at locations between walls where there was a bend in the structure. The mastic material had total PCB concentrations of greater than 10 mg/kg. The mastic removal area is shown on Figure 3-1.

In May 2011, approximately 86 linear feet of mastic coating was removed from a section of the southwest concrete wall of X-208 Test Cell exhauster tunnel. The mastic and concrete were removed by Clean Harbors via scarification to an approximate depth of 1/16 to 1/8 of an inch and the resulting waste material was disposed of offsite as PCB Bulk Product Waste.

3.2 X-208 Test Cell Exhauster Tunnel Caulk Removal

Based on analytical information obtained from investigations of the Project Area performed by AECOM, PCBs were detected in caulk and concrete along the south, west and portions of the north wall of the southern portion of the X-210 Test Cell basement at concentrations greater than 10 mg/kg. The southern portion of the X-210 Test Cell basement is part of the X-208 Test Cell exhauster tunnel.

In December 2011, approximately 210 linear feet of caulk and the surrounding concrete were manually removed from the south wall of the southern portion of the X-210 Test Cell and the resulting waste material was disposed of offsite as PCB Bulk Product Waste. The south wall of the southern portion of the X-210 Test Cell basement is a common wall and is the north wall of the X-209 Test Cell basement. The locations of the caulk removal are shown on Figure 3-1.

3.3 X-208 Test Cell

Due to the concentration of PCBs detected in both paint chip and concrete chip samples, removal activities were performed on the X-208 Test Cell as part of the Willgoos Demolition Project. In

July 2011, exterior and interior painted concrete walls and roof were demolished and the resulting concrete rubble was disposed of offsite as PCB Bulk Product Waste. In August 2011, the Ground Level floor was demolished and disposed of offsite as PCB Remediation Waste as part of the Willgoos Demolition Project. In December 2012, Red Tech performed additional activities within the X-208 Test Cell basement to remove any remaining concrete debris for disposal as PCB Remediation Waste.

Due to the concentrations of PCBs detected in the concrete chip samples on the basement walls and floors, scarification and removal activities were performed and the resulting concrete material disposed of offsite as PCB Remediation Waste.

3.4 X-209 Test Cell

Due to the concentration of PCBs detected in both paint chip and concrete chip samples, removal activities consisting of the following were performed on the X-209 Test Cell as part of the Willgoos Demolition Project. In July 2011, exterior and interior painted concrete walls and roof were demolished and the resulting concrete rubble was disposed of offsite as PCB Bulk Product Waste. In March 2013, the Ground Level floor was demolished and disposed of offsite as PCB Bulk Product Waste.

3.5 X-210 Test Cell

Due to the concentration of PCBs detected in both paint chip and concrete chip samples, removal activities were performed on the X-210 Test Cell as part of the Willgoos Demolition Project. During the time frame between June 2011 and July 2011, the exterior concrete walls and roof were demolished and the resulting concrete rubble was disposed of offsite as PCB Bulk Product Waste. In March 2013, the Ground Level floor was demolished and shipped offsite as PCB Bulk Product Waste.

3.6 X-208 Test Cell Exhauster Tunnel Concrete Removal

Between March and April 2013, the south, west and portions of the north wall as well a small portion of the floor of the X-208 Test Cell exhauster tunnel, which is also the southern portion of the X-210 Test Cell basement, were removed for offsite disposal as PCB Remediation Waste. The south wall of the southern portion of the X-210 Test Cell basement is a common wall and is the north wall of the X-209 Test Cell basement. The concrete removal areas are shown on Figure 3-2.

4. POST REMOVAL AND DELINEATION SAMPLING

Removal activities were accomplished either by scarification or complete removal of the subject material (i.e. caulk, mastic, or PCB-contaminated concrete). Following the completion of the scarification activities, confirmatory concrete samples were collected of the affected areas. Confirmatory samples of concrete were collected to confirm that residual PCB concentrations did not exceed 1 mg/kg if the removal area was within 4 feet of the ground surface or 10 mg/kg if the removal area was deeper than 4 feet below ground surface. Confirmatory concrete sampling was performed to document the adequacy of the removal measures as performed at the Project Area. Additional concrete samples were also collected in an effort to further delineate the extent of PCB-impacted concrete in a portion of the X-208 Test Cell exhauster tunnel which is also the southern portion of the X-210 Test Cell basement. A summary of the sampling and analytical information is described below.

4.1 X-208 Test Cell Exhauster Tunnel Mastic Removal

On May 24, 2011, Loureiro personnel collected 17 concrete chip samples (NW-CC-607 through NW-CC-623) from the area in which mastic and underlying concrete were removed from within the X-208 Test Cell exhauster tunnel. The sampling locations are shown on the attached Figure 4-1.

Verification sampling upon the completion of the mastic removal was performed in accordance with Title 40 of the Code of Federal Regulations (CFR) Part 761 Subpart O. As the mastic did not cover a large area, but was linear in nature post removal samples were collected every 5 lineal feet from the 86 lineal feet of mastic removed area. Concrete chip samples were collected from the surface to a depth of 0.5 inches using an impact hammer drill equipped with a 0.875-inch carbide bit. Concrete sampling activities were completed in accordance with the Loureiro Standard Operating Procedure (SOP) identification #10001, entitled, *Concrete Chip Sampling* and included in Appendix A.

Each concrete chip sample submitted for laboratory analysis was placed into glass jars provided with Teflon[®]-lined caps and transported in an iced cooler under chain-of-custody control to Accutest Laboratories (Accutest) of Marlborough, Massachusetts. The concrete samples were submitted for analysis for PCBs by United States Environmental Protection Agency (EPA) Method 8082 using Soxhlet extraction. A summary of sampling and analytical information for the confirmatory sampling is included as Table 4-1.

PCBs were detected in 3 of the 17 concrete chip samples submitted for laboratory analysis. PCBs were detected at concentration of 0.348 mg/kg, 0.284 mg/kg, and 0.473 mg/kg in the concrete chip samples collected from sampling locations NW-CC-612, NW-CC-615, and NW-CC-618, respectively. A summary of PCBs detected in the confirmatory samples is included in Table 4-2. The analytical data as received from the laboratory is included in Attachment B.

PCBs were detected at concentrations less than 1 mg/kg in the concrete chip samples collected from the area of mastic removal indicating the successful removal of PCB containing mastic from the wall and thus no further removal actions were necessary.

4.2 X-208 Test Cell Exhauster Tunnel Caulk Removal

On January 20, 2012, Loureiro personnel collected a total of 42 confirmatory concrete chip samples (NW-CC-685 through NW-CC-727) from the 210 linear feet of removed caulk and underlying concrete along the south wall of the Project Area and a small portion of the north wall. Concrete chip samples were collected every 5 lineal feet from the area of removed concrete.

The concrete chip samples were collected from the surface of the concrete to a depth of 0.5 inches using a hammer drill with a 0.75-inch diameter bit and gathering the concrete powder and chips into glass jars with Teflon®-lined caps for laboratory analysis on a 5 foot by 5 foot grid spacing over the entire area. The concrete chip samples were transported in an iced cooler under chain of custody control to Spectrum Analytical, Inc. (Spectrum) of Agawam, Massachusetts. The samples were submitted for analysis for PCBs by EPA Method 8082 using Soxhlet extraction. A summary of sampling and analytical information for the confirmatory samples is included as Table 4-3. The analytical data as received from the laboratory is included as Attachment B. The concrete chip sampling locations are shown on Figure 4-2.

PCBs were detected in each of the concrete chip samples submitted for analysis. PCBs were detected in concrete chip samples at concentrations ranging between 2.54 mg/kg to 1,924 mg/kg. PCBs were detected at concentrations equal to or greater than 50 mg/kg in 30 of the 42 samples submitted for analysis. PCBs were detected at concentrations between 10 mg/kg and 50 mg/kg in 7 of the 42 samples submitted for analysis and the remaining 5 concrete chip samples had concentrations of PCBs between 1 mg/kg and 10 mg/kg with only three of these sampling locations (NW-CC-693, NW-CC-695, and NW-CC-726) within four feet of the ground surface. A summary of PCBs detected in the confirmatory samples is included as Table 4-4. As the result of these confirmatory sampling results, the concrete removal activities were performed as discussed in Section 3.3.

4.3 X-208 Test Cell Exhauster Tunnel Delineation

Based on the analytical information obtained during X-208 Test Cell exhauster tunnel caulk removal, it was determined that the entire south wall of a portion of the X-208 Test Cell exhauster tunnel, which is also the southern portion of the X-210 Test Cell basement, were removed for offsite disposal as PCB Remediation Waste. The south wall of the southern portion of the X-210 Test Cell basement is a common wall and is the north wall of the X-209 Test Cell basement.

On March 28, 2013, Loureiro personnel collected eight concrete chip samples from the north wall and floor of the X-208 Test Cell exhauster tunnel, which is also the southern portion of the X-210 Test Cell basement. These additional concrete samples were collected in an effort to further delineate the extent of PCB-impacted concrete. Based on the analytical data obtained during AECOM's investigation of the Project Area, PCBs were detected at concentrations between 1 mg/kg and 10 mg/kg in multiple concrete chip samples which were collected from the walls approximately 18 inches off of the floor. In an effort to delineate the extent of PCB impacted concrete in the vicinity of the AECOM wall sample locations, concrete chip sample locations NW-CC-1838 and NW-CC-1839 were collected from immediately below the areas marked for possible removal by AECOM on the north wall of the Project Area. In addition, concrete chip sampling locations NW-CC-1840 through NW-CC-1844 were collected from the concrete floor of the Project Area on 5-foot offsets from the AECOM sampling location in which PCBs were detected at concentrations equal to or greater than 50 mg/kg. Figure 4-3 depicts the sampling locations.

The concrete chip samples were collected from the surface of the concrete to a depth of 0.5 inches using a hammer drill with a 0.75-inch diameter bit and gathering the concrete powder and chips into glass jars with Teflon®-lined caps for laboratory analysis on a 5 foot by 5 foot grid spacing over the entire area. The concrete chip samples were transported in an iced cooler under chain of custody control to Spectrum. The samples were submitted for analysis for PCBs by EPA Method 8082 by Soxhlet extraction. A summary of sampling and analytical information for the concrete samples is included as Table 4-5. The analytical data as received from the laboratory is included as Attachment B.

PCBs were detected in each of the eight concrete chip samples submitted for analysis. PCBs were detected at concentrations of 0.097 mg/kg and 0.0625 mg/kg at sampling locations NW-CC-1838 and NW-CC-1839, respectively. PCBs were detected at concentrations ranging from 0.558 mg/kg to 1.31 mg/kg from concrete chip sampling locations NW-CC-1840 through NW-CC-1844. A summary of PCBs detected in the concrete samples is included as Table 4-6

Based on the analytical data collected from the delineation sample locations, the total square footage of flooring that was removed for offsite disposal as PCB Remediation Waste was approximately 50 square feet in the immediate vicinity of the AECOM floor sample. In addition, none of the north wall of the Project Area in the vicinity of concrete chip sample locations NW-CC-1838 and NW-CC-1839 required removed.

5. WASTE MANAGEMENT

Demolition materials were separated into two different waste streams for disposal purposes, PCB Bulk Product Waste for those building materials containing PCBs at concentrations equal to or greater than 50 mg/kg or in contact with PCBs at concentrations equal to or greater than 50 mg/kg (i.e., painted concrete) and PCB Remediation Waste for those materials determined to have been impacted by spills of liquid PCBs with concentrations equal to or greater than 50 mg/kg and those materials where an attempt was made to remove the PCB Bulk Product Waste from the underlying substrate (i.e., dry scarification to remove paint from concrete or scraping to remove caulk).

During the removal activities approximately 40.65 tons of Bulk Product Waste were shipped off-site for disposal. Bulk Product Waste materials were handled by Red Technologies and transported to Minerva Enterprises, 9000 Minerva Road, Waynesburg, Ohio for disposal. During the remediation activities approximately 430 tons yards of concrete, were shipped off-site for disposal as PCB Remediation Waste. PCB Remediation Waste materials were transported to Model City, a Waste Management facility in Model City, New York. Disposal documentation is included in Appendix D.

TABLES

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Loureiro
Engineering • Construction • EH&S • Energy • Waste

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Table 3-3
SUMMARY OF SAMPLING AND ANALYTICAL INFORMATION FOR X-210
CONFIRMATORY SAMPLES
Pratt & Whitney Willgoos, East Hartford, Connecticut



Sample Information					Analysis Information							
Location ID	Sample ID	Sample Date	Sampled Interval (ft)	Sample Class	LEAAAnalyt. Lab.	Volatile Organics	Semivolatile Organics	Herbicides	Pesticides/PCBs	Fuels/Oils	Metals	Miscellaneous Analyses
NW-CC-685	1248827	01/20/2012	0.041	CC					X			
NW-CC-686	1248828	01/20/2012	0.041	CC					X			
NW-CC-687	1248829	01/20/2012	0.041	CC					X			
NW-CC-688	1248830	01/20/2012	0.041	CC					X			
NW-CC-689	1248831	01/20/2012	0.041	CC					X			
NW-CC-690	1248832	01/20/2012	0.041	CC					X			
NW-CC-691	1248833	01/20/2012	0.041	CC					X			
NW-CC-692	1248834	01/20/2012	0.041	CC					X			
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NW-CC-694	1248836	01/20/2012	0.041	CC					X			
NW-CC-695	1248837	01/20/2012	0.041	CC					X			
NW-CC-696	1248838	01/20/2012	0.041	CC					X			
NW-CC-697	1248839	01/20/2012	0.041	CC					X			
NW-CC-698	1248840	01/20/2012	0.041	CC					X			
NW-CC-699	1248841	01/20/2012	0.041	CC					X			
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NW-CC-704	1248846	01/20/2012	0.041	CC					X			
NW-CC-705	1248847	01/20/2012	0.041	CC					X			
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NW-CC-714	1249109	01/20/2012	0.041	CC					X			
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NW-CC-716	1249111	01/20/2012	0.041	CC					X			

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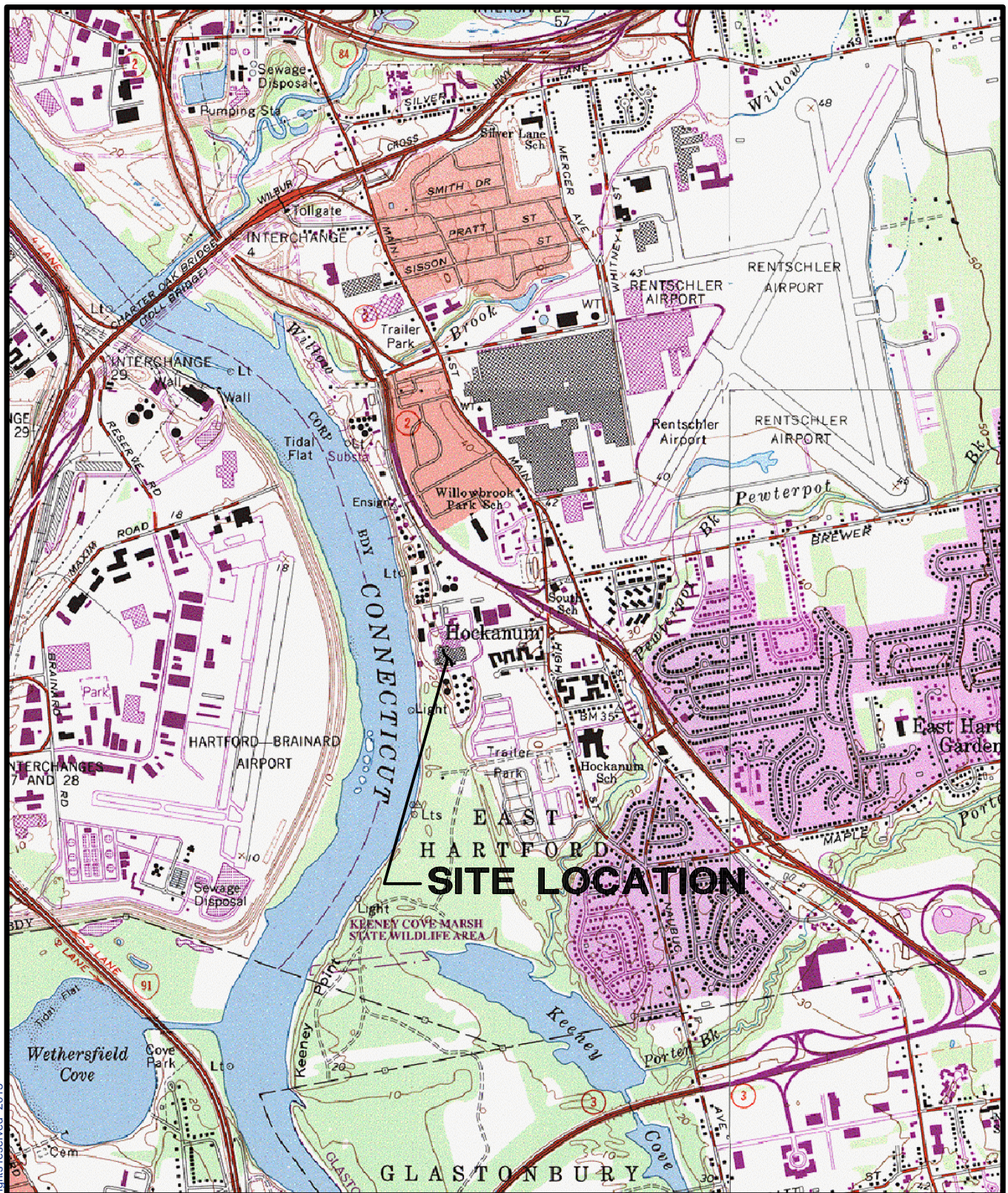
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FIGURES



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MAP REFERENCE:

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SCALE IN FEET



REMOVAL AND DISPOSAL REPORT
X-208 THROUGH X-210 TEST CELLS AND EXHAUSTER TUNNELS
PENT ROAD, EAST HARTFORD, CONNECTICUT

SITE LOCATION MAP

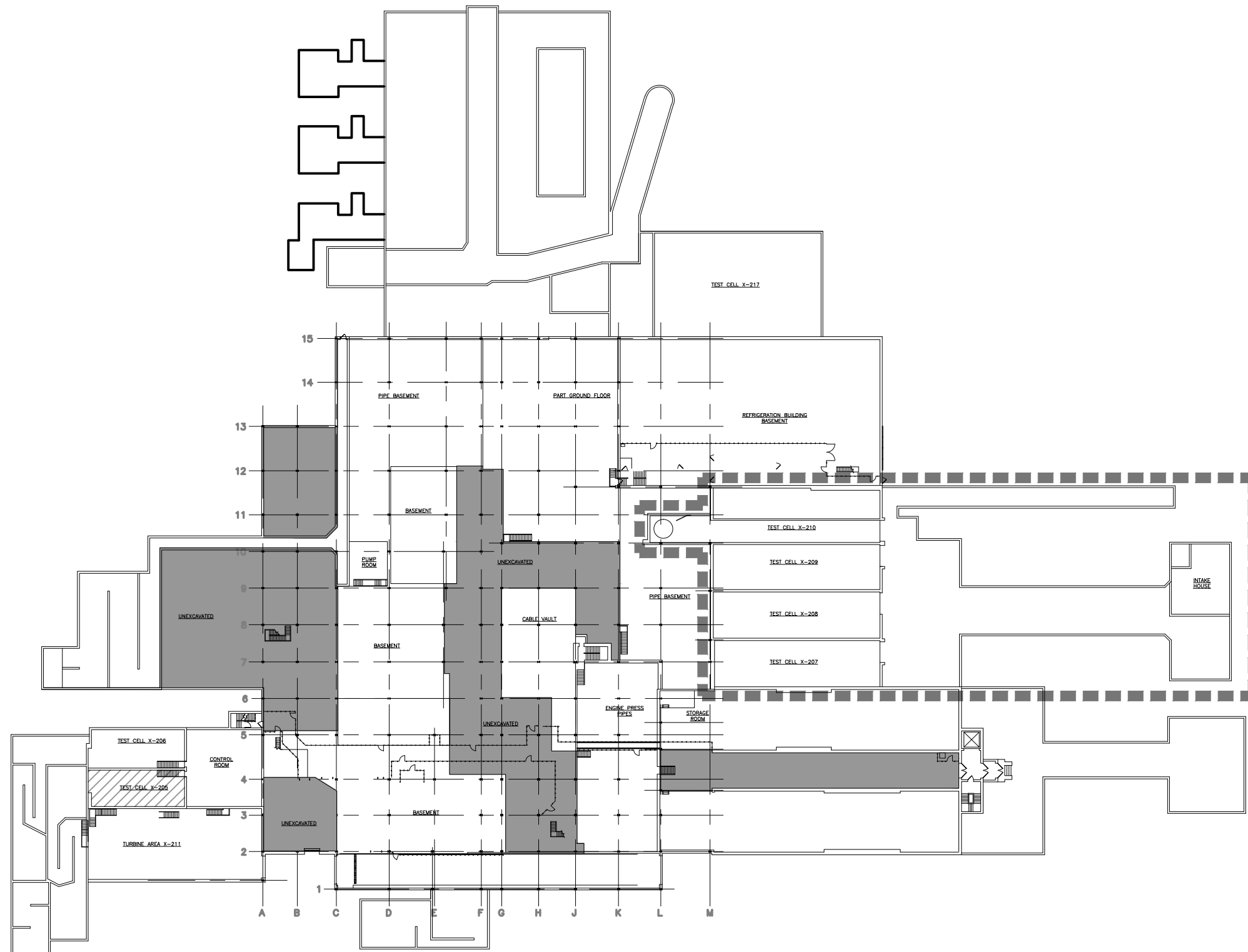
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68PP366

FIGURE 1-1



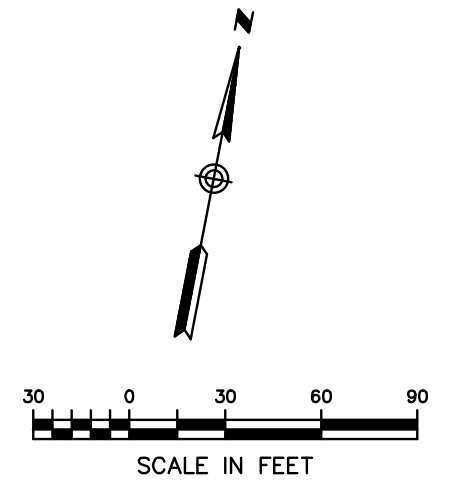
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BASEMENT LEVEL - ELEV. 30'-4"

LEGEND

■ ■ ■ ■ ■ PROJECT AREA

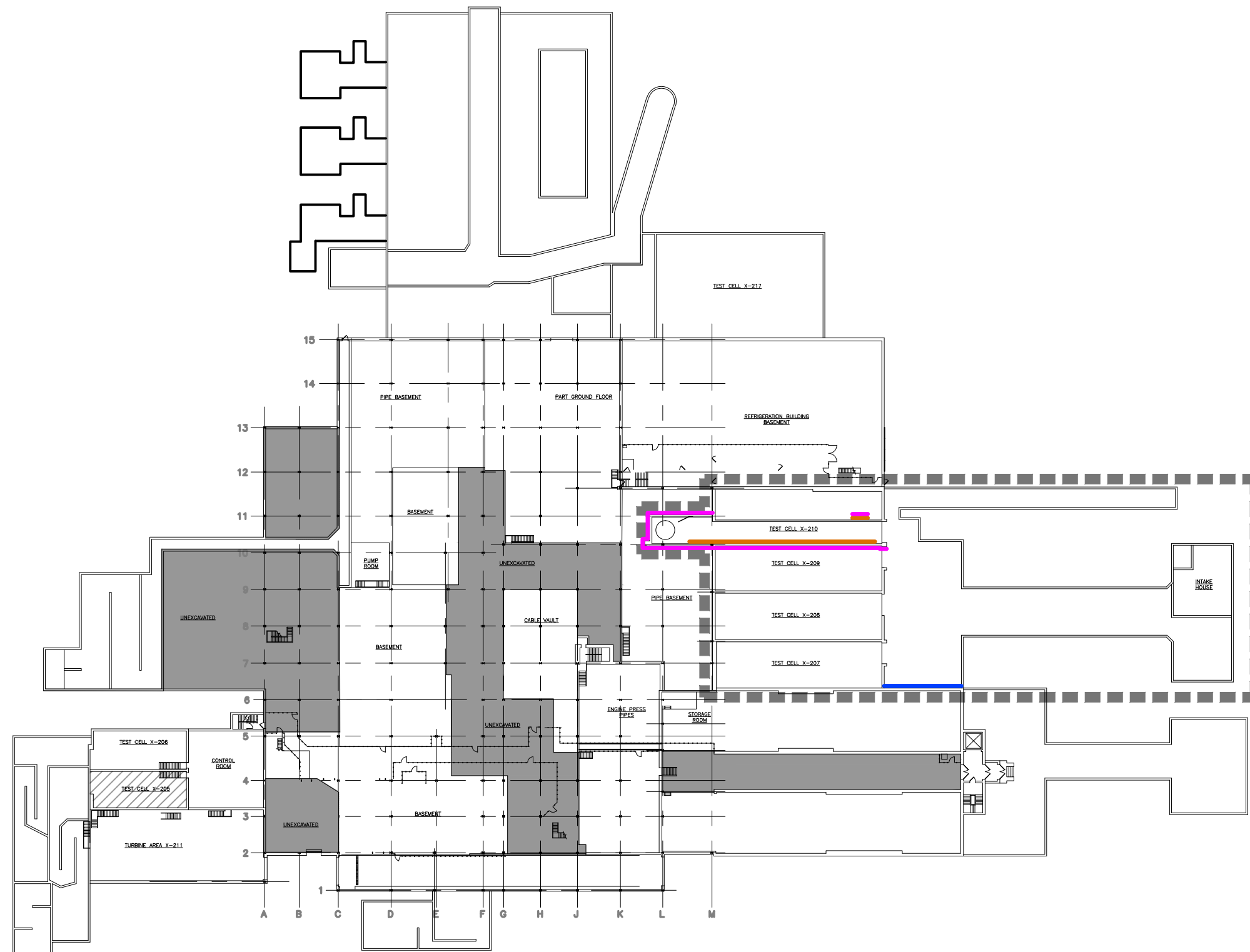


REMOVAL AND DISPOSAL REPORT Andrew Willgoos Turbine Laboratory, East Hartford CT		
PROJECT AREA LOCATION		
Comm.No. 68PP366	FIGURE 1-2	

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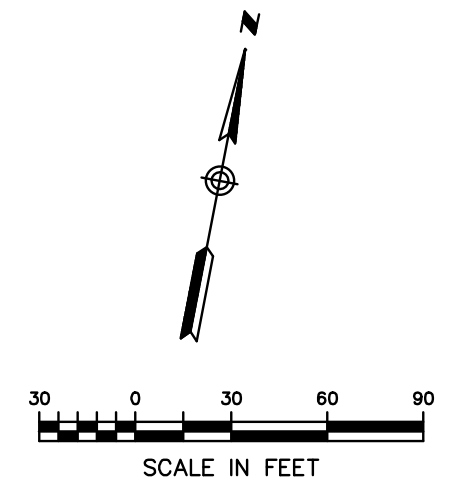
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BASEMENT LEVEL - ELEV. 30'-4"

LEGEND

- PROJECT AREA
- MASTIC REMOVAL
- CAULK REMOVAL
- CONCRETE REMOVAL

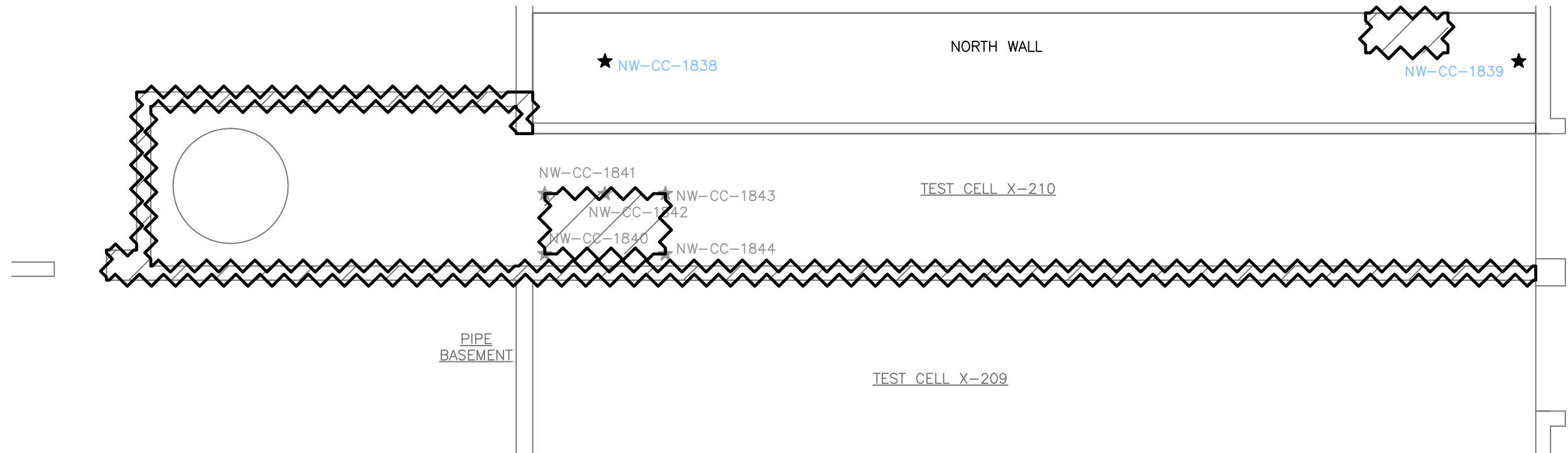


REMOVAL AND DISPOSAL REPORT X-208 THROUGH X-210 TEST CELLS AND EXHAUSTER TUNNELS Andrew Willgoos Turbine Laboratory, East Hartford CT PROJECT REMOVAL AREAS		
Comm.No. 68PP366	FIGURE 3-1	

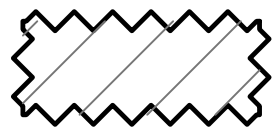
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LEGEND



AREAS OF REMOVED CONCRETE

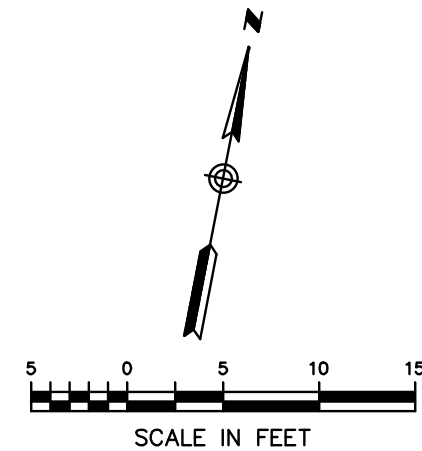



CONCRETE BASEMENT WALL



CONCRETE CHIP SAMPLE LOCATION

NW-PC-43	PCB DETECTION [> 50 mg/kg]
NW-PC-46	PCB DETECTION [$> 25 \leq 50$ mg/kg]
NW-CC-169	PCB DETECTION [$> 10 \leq 25$ mg/kg]
NW-CC-174	PCB DETECTION [$> 1 \leq 10$ mg/kg]
NW-CC-170	PCB DETECTION [≤ 1 mg/kg]
NW-CC-97	PCB NOT DETECTED
NW-CC-131	SAMPLE COLLECTED AWAITING ANALYSIS

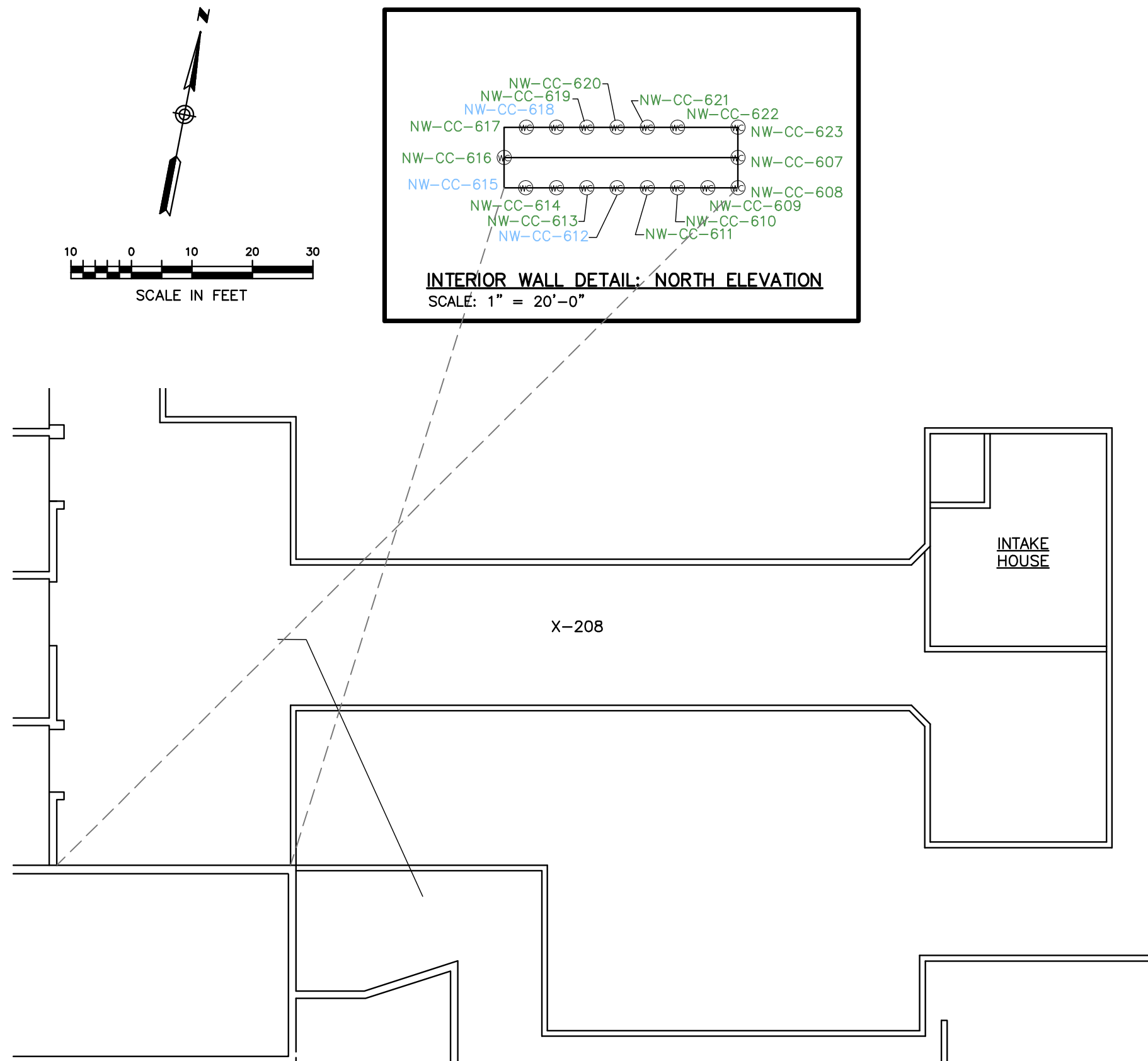


REMOVAL AND DISPOSAL REPORT X-208 THROUGH X-210 TEST CELLS AND EXHAUSTER TUNNELS Andrew Willgoos Turbine Laboratory, East Hartford CT		
CONCRETE REMOVAL AREAS X-210 TEST CELL		
Comm.No. 68PP366	FIGURE 3-2	

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LEGEND

	EXISTING BUILDING
	WALL CONCRETE CHIP SAMPLE LOCATION
	INACCESSIBLE AREA
	STEEL GRATE FLOOR
NW-PC-43	PCB DETECTION [> 50 mg/kg]
NW-PC-46	PCB DETECTION [$> 25 \leq 50$ mg/kg]
NW-CC-169	PCB DETECTION [$> 10 \leq 25$ mg/kg]
NW-CC-174	PCB DETECTION [$> 1 \leq 10$ mg/kg]
NW-CC-170	PCB DETECTION [≤ 1 mg/kg]
NW-CC-97	PCB NOT DETECTED
NW-CC-131	SAMPLE COLLECTED AWAITING ANALYSIS

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REMOVAL AND DISPOSAL REPORT X-208 THROUGH X-210 TEST CELLS AND EXHAUSTER TUNNELS Andrew Willgoos Turbine Laboratory, East Hartford CT		
TEST CELL X-208 EXHAUSTER TUNNEL CONCRETE CHIP SAMPLE LOCATIONS		
Comm.No. 68PP366	FIGURE 4-1	

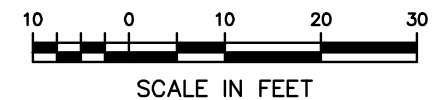
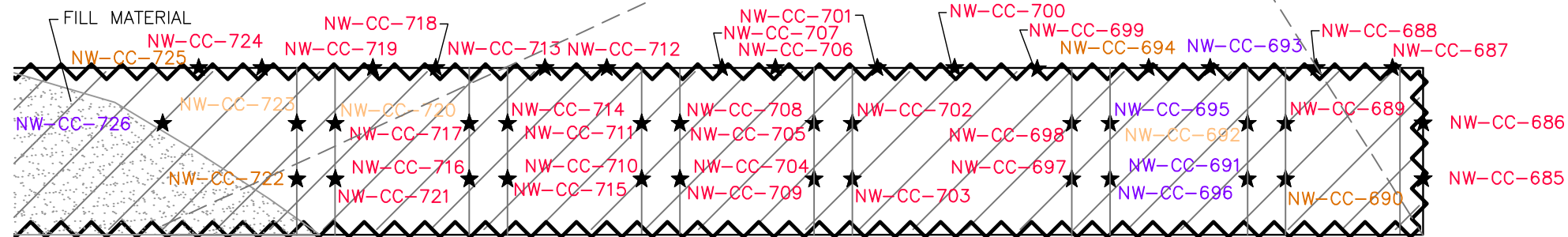
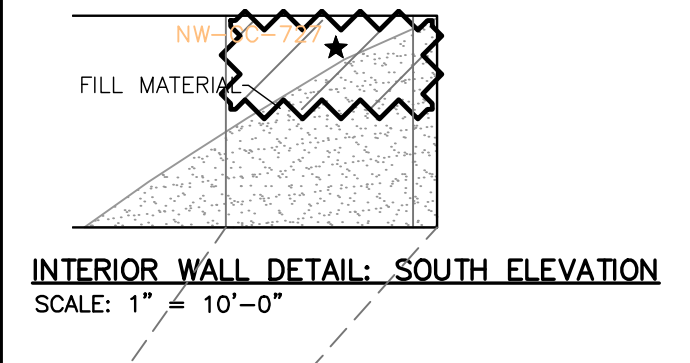
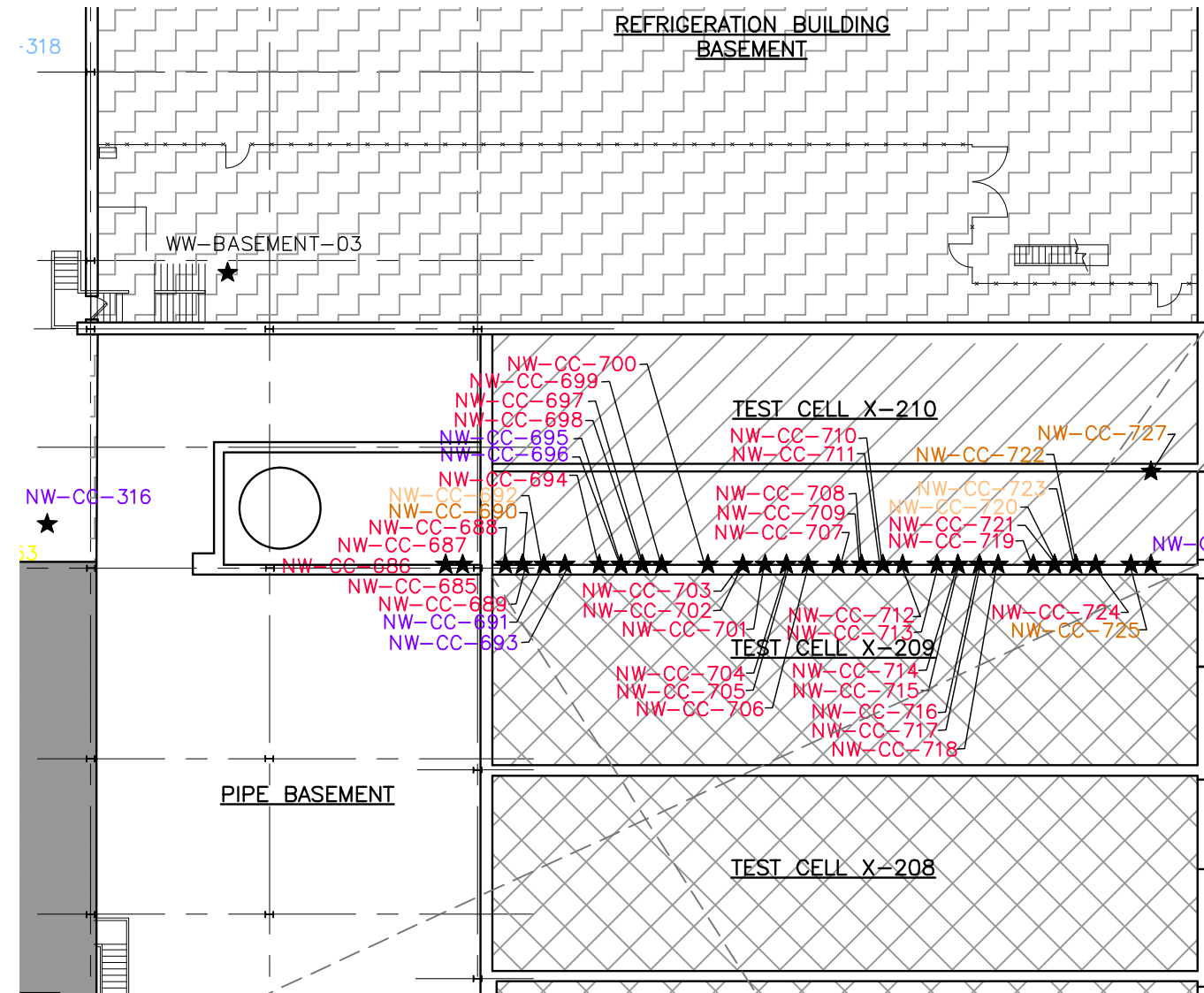
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LEGEND

- EXISTING BUILDING
- ★ CONCRETE CHIP SAMPLE LOCATION
- AREA UNDERWATER
- STEEL GRATE FLOOR

PCB LEGEND

- NW-PC-43 PCB DETECTION [> 50 mg/kg]
- NW-PC-46 PCB DETECTION [$> 25 \leq 50$ mg/kg]
- NW-CC-169 PCB DETECTION [$> 10 \leq 25$ mg/kg]
- NW-CC-174 PCB DETECTION [$> 1 \leq 10$ mg/kg]
- NW-CC-170 PCB DETECTION [≤ 1 mg/kg]
- NW-CC-97 PCB NOT DETECTED
- NW-CC-131 SAMPLE COLLECTED AWAITING ANALYSIS



REMOVAL AND DISPOSAL REPORT
X-208 THROUGH X-210 TEST CELLS AND EXHAUSTER TUNNELS
Andrew Willgoos Turbine Laboratory, East Hartford CT
X-210 TEST CELL EXHAUSTER TUNNEL
CONCRETE CHIP SAMPLE LOCATIONS

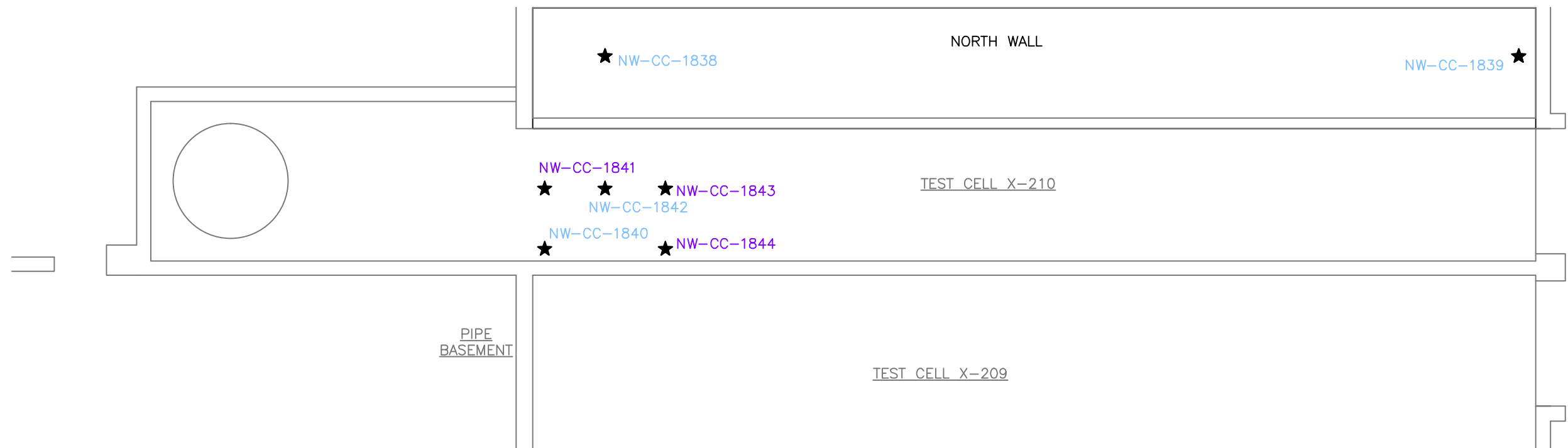
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FIGURE 4-2

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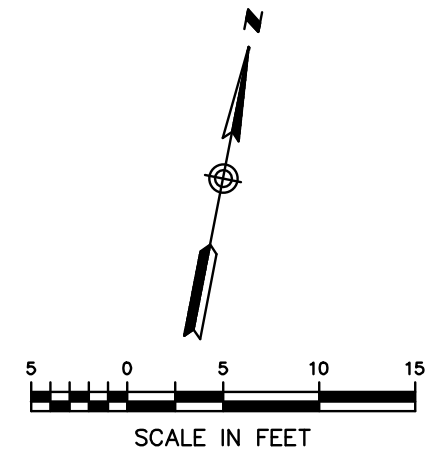
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LEGEND

- CONCRETE BASEMENT WALL
- ★ CONCRETE CHIP SAMPLE LOCATION
- NW-PC-43 PCB DETECTION [> 50 mg/kg]
- NW-PC-46 PCB DETECTION [$> 25 \leq 50$ mg/kg]
- NW-CC-169 PCB DETECTION [$> 10 \leq 25$ mg/kg]
- NW-CC-174 PCB DETECTION [$> 1 \leq 10$ mg/kg]
- NW-CC-170 PCB DETECTION [≤ 1 mg/kg]
- NW-CC-97 PCB NOT DETECTED
- NW-CC-131 SAMPLE COLLECTED AWAITING ANALYSIS



REMOVAL AND DISPOSAL REPORT
X-208 THROUGH X-210 TEST CELLS AND EXHAUSTER TUNNELS
Andrew Willgoos Turbine Laboratory, East Hartford CT

X-210 TEST CELL
CONCRETE CHIP SAMPLE LOCATIONS

Comm.No.
68PP366

FIGURE 4-3



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APPENDIX A

Sampling Standard Operating Procedures

Loureiro Engineering Associates, Inc.
Standard Operating Procedure
for
Concrete Chip Sampling

SOP ID: 10001
Date Initiated: 02/20/90
Revision No. 005: 12/31/01

Approved By: <u>/s/ David E. Lehnus</u>	<u>12/20/01</u>
David E. Lehnus	Date
Senior Geologist	
 <u>/s/ Nick D. Skoularikis</u>	 <u>12/19/01</u>
Nick D. Skoularikis	Date
Director of Quality	

REVISION RECORD

<u>Rev #</u>	<u>Date</u>	<u>Additions/Deletions/Modifications</u>
Initial Issue	02/20/90	
001-003	-	No Record
004	07/10/00	Update LEA SOP in accordance with standard procedures outlined in SOP 10000, including logo. Added notes to Sections 8 and 9.
005	12/31/01	Updated to conform to new SOP format.



Loureiro Engineering Associates, Inc.
Standard Operating Procedure
for
Concrete Chip Sampling

1. Purpose and Scope

This document discusses procedures for collecting concrete chip samples for analysis. The procedures outlined in this document have been developed to produce reproducible results. Associated standard operating procedures (SOPs) that should be consulted include the Loureiro Engineering Associates, Inc. (LEA) *SOP for Quality Assurance/Quality Control Measures for Field Activities* and *SOP for Soil Sampling*.

2. Definitions

2.1. Concrete chip sample: Concrete sample taken no deeper than 2 inches from surface to be sampled. The LEA Information Management System (LEAIMS) sample class used for concrete chip samples is "CC".

3. Equipment

3.1. Equipment required for sampling of concrete shall include:

- 3.1.1. Dixon lumber crayon or equivalent.
- 3.1.2. 100-foot tape.
- 3.1.3. Three decontamination wash buckets.
- 3.1.4. Sample collection bottles and labels.
- 3.1.5. Sample forms.
- 3.1.6. Clean disposable gloves.
- 3.1.7. Personal protective equipment.
- 3.1.8. Cooler, cold packs and maximum/minimum thermometer.
- 3.1.9. Alconox[®]/Liquinox[®] detergent, 10 percent methanol solution in water (v:v), 10 percent nitric acid solution in water (v:v), hexane, distilled water.



- 3.1.10. Brushes.
- 3.1.11. Spatulas.
- 3.1.12. Indelible marker.
- 3.1.13. Distilled water.
- 3.1.14. Hand towels.
- 3.1.15. Impact drill with stone chisel.
- 3.1.16. Nail punch.
- 3.1.17. Clear polyethylene plastic sheeting.
- 3.1.18. Three pound hammer.
- 3.1.19. Fifty-foot electrical extension cord.
- 3.1.20. One-inch adjustable crescent wrench.
- 3.1.21. Lined 55-gallon drums.
- 3.1.22. Ohaus weighing scale or equivalent.
- 3.1.23. Non-shrinking concrete.
- 3.1.24. Portable Volatile Organic Compound (VOC) Analyzer (Photovac MicroTIP[®], Foxboro OVA[®], or equivalent)

4. Procedure

4.1. Sample Location

The location selection will be based on project-specific requirements. A grid pattern may be used (random sampling) or an inspection of the concrete surface will be performed to determine the location of cracks or discoloration on the concrete (judgmental sampling). In certain projects both random and judgmental samples are being collected. If a grid is being used, the location of each node of the grid pattern shall be determined and marked.



4.2. Sample Collection

Prior to sample collection, all sample bottles will be labeled using indelible ink with the following information: Sample number, date, area location, collector of sample.

- 4.2.1. Personal protection during all concrete chip sampling shall be at a minimum level D (unless a more stringent level is required by site-specific conditions), including but not limited to eye protection, work boots, and gloves. Full-face respirators, Tyvek[®] overalls and rubber gloves will be available on-site for use if deemed necessary by the field supervisor or sampling personnel and as dictated by the site-specific health and safety plan. Hearing protection may also be required.
- 4.2.2. The collection of concrete samples shall be in accordance with the following procedures:
 - 4.2.2.1. An impact drill equipped with a stone chisel shall be inserted through the center of a five-foot square section of plastic sheeting (to limit the dispersion of dust during sample collection). If sidewall samples are collected, a five-foot square section of plastic will be placed on the floor at the base of the wall.
 - 4.2.2.2. Samples shall be obtained by chipping of the concrete surface to a maximum depth of two inches, collecting a minimum of 400 grams of sample.
 - 4.2.2.3. Samples shall be placed into the appropriate pre-labeled sample bottle, the time of collection noted on the label, and the sample bottle placed into a cooler.
 - 4.2.2.4. All pertinent sampling data forms and chain of custody forms shall be completed.
 - 4.2.2.5. All sampling equipment shall be decontaminated in accordance with Equipment Decontamination Procedures (Section 4.3) and the plastic sheeting discarded into a lined 55-gallon drum for disposal.
 - 4.2.2.6. Steps 4.2.2.1 – 4.2.2.5 shall be repeated for each concrete sample to be collected.



- 4.2.3. Collection of field generated quality assurance/quality control (QA/QC) samples shall adhere to all applicable procedures noted in LEA's *SOP for Quality Assurance/Quality Control Measures for Field Activities* (SOP ID 10005) and should include the following procedures:
 - 4.2.3.1. Field blanks/equipment blanks should be collected for each sample bottle/preservation technique/analysis procedure at the rate of one per day.
 - 4.2.3.2. Field duplicates/replicate samples (or collected samples for volatile organic compounds) should be obtained for each sample bottle/preservation technique/analysis procedure at the rate of one per sampling event or one for every 20 samples.
 - 4.2.3.3. Trip blanks for volatile organic compound analysis shall be collected at the rate of one per day or one per twenty samples collected.
- 4.2.4. Upon completion of each day, a field data collection quality review checklist shall be completed, as noted in the *Standard Operating Procedure for Quality Assurance/Quality Control Measures for Field Activities* (SOP ID 10005).

4.3. Equipment Decontamination Procedures

- 4.3.1. All sampling equipment shall be decontaminated before each sample collection.
- 4.3.2. Decontamination of the sampling equipment shall adhere to the following procedures:
 - 4.3.2.1. All excess loose concrete and debris shall be removed from the sampling equipment and placed into the 55-gallon drum.
 - 4.3.2.2. Sampling equipment shall then be immersed in an Alconox[®]/Liquinox[®] and tap water solution and scrubbed to remove all debris.
 - 4.3.2.3. The order of decontamination solutions is as follows:
 - 1. Detergent scrub.
 - 2. Deionized (DI) water rinse.
 - 3. Hexane rinse.
 - 4. DI water rinse.



5. 10 percent nitric acid rinse.
6. DI water rinse.
7. 10 percent methanol rinse.
8. Air dry.

4.3.3. An alternative to the procedure described above requires that the equipment be cleaned using a high-pressure wash and steam cleaning. Alternative methods of cleaning may be more appropriate for an individual piece of equipment for site conditions based upon knowledge of site contaminants, and may be used at the discretion of the LEA representative.

4.3.4. At the end of the project day, all used equipment shall be decontaminated. Dispose of all spent decontamination solutions in accordance with all applicable municipal, state and federal regulations.

4.4. Field Documentation

4.4.1. The following general information shall be recorded in the field forms:

- Site identification, LEA commission number.
- Site location.
- Name of recorder.
- Identification of concrete chip sample name and location (include sketch; concrete chip sample class is "CC").
- Collection method.
- Date and time of collection.
- Types of sample containers used, sample identification numbers and QA/QC sample identification.
- Preservative(s) used.
- Parameters requested for analysis.
- Field analysis method(s).
- Field observations during sampling event.
- Name of collector.
- Climatic conditions including ambient temperature.
- Internal temperature of field and shipping (iced) containers.
- Chronological events of the day.
- QA/QC data.
- A complete sample description (e.g. visual observations, discoloration, etc.).

4.4.2. The following information shall be recorded on the Field Quality Review Checklist:



- Reviewers name, date, and LEA commission number.
- Review of all necessary site activities and field forms.
- Statement of corrective actions for deficiencies.

4.4.3. The following information shall be recorded on the chain of custody record:

- Client's name and location.
- Date and time of collection.
- Sample number.
- Container type, number, size.
- Preservative used.
- Signature of collector.
- Signatures of persons involved in the chain of possession.
- Analyses to be performed.

4.4.4. The following information shall be provided on the sample label using an indelible pen:

- Sample identification number.
- Name of collector.
- Date and time of collection.
- Place of collection.
- Parameter(s) requested (if space permits).

4.4.5. The following information shall be recorded on the sample collection data sheet:

- Client name, location and LEA commission number.
- Date and time of collection.
- Sample number.
- Depth sample was obtained, as applicable.
- VOC reading.

5. Quality Assurance/Quality Control

5.1. All procedures documented in this SOP should be conducted to ensure quality and in accordance with LEA's *SOP for Quality Assurance/Quality Control Measures for Field Activities* (SOP ID 10005).



6. References

Other sampling procedures which may be pertinent to concrete chip sampling may be found in LEA SOP ID 10006, *Standard Operating Procedures for Soil Sampling*.

END OF DOCUMENT



APPENDIX B

Analytical Data



06/08/11

Technical Report for

Loureiro Eng. Associates

PWCTEH:Willgoos Misl Sampling

68PO141

Accutest Job Number: MC537

Sampling Date: 05/24/11

Report to:

**Loureiro Engineering
100 Northwest Drive
Plainville, CT 06062
dcbrisson@loureiro.com**

ATTN: David Brisson

Total number of pages in report: 54



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Pand
**Reza Pand
Lab Director**

Client Service contact: Kristen Blanchard 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) ISO 17025:2005 (L2235)

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Test results relate only to samples analyzed.

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Sample Summary

Loureiro Eng. Associates

Job No: MC537

PWCTEH: Willgoos Misc Sampling
Project No: 68PO141

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
MC537-1	05/24/11	14:40 NSE	05/25/11	SO	Soil	1227955
MC537-2	05/24/11	14:12 NSE	05/25/11	SO	Soil	1227956
MC537-3	05/24/11	14:14 NSE	05/25/11	SO	Soil	1227957
MC537-4	05/24/11	14:17 NSE	05/25/11	SO	Soil	1227958
MC537-5	05/24/11	14:21 NSE	05/25/11	SO	Soil	1227959
MC537-6	05/24/11	14:24 NSE	05/25/11	SO	Soil	1227960
MC537-7	05/24/11	14:26 NSE	05/25/11	SO	Soil	1227961
MC537-8	05/24/11	14:30 NSE	05/25/11	SO	Soil	1227962
MC537-9	05/24/11	14:34 NSE	05/25/11	SO	Soil	1227963
MC537-10	05/24/11	14:37 NSE	05/25/11	SO	Soil	1227964
MC537-11	05/24/11	14:44 NSE	05/25/11	SO	Soil	1227965
MC537-12	05/24/11	14:50 NSE	05/25/11	SO	Soil	1227966
MC537-13	05/24/11	14:54 NSE	05/25/11	SO	Soil	1227967

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary
(continued)

Loureiro Eng. Associates

Job No: MC537

PWCTEH:Willgoos Misc Sampling
Project No: 68PO141

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
MC537-14	05/24/11	14:59	NSE	05/25/11	SO Soil	1227968
MC537-15	05/24/11	15:04	NSE	05/25/11	SO Soil	1227969
MC537-16	05/24/11	15:08	NSE	05/25/11	SO Soil	1227970
MC537-17	05/24/11	15:11	NSE	05/25/11	SO Soil	1227971
MC537-18	05/24/11	15:40	NSE	05/25/11	SO Soil	1227972

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Loureiro Eng. Associates

Job No MC537

Site: PWCTEH:Willgoos MiscI Sampling

Report Date 6/8/2011 4:14:36 PM

18 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were collected on 05/24/2011 and were received at Accutest on 05/25/2011 properly preserved, at 2.4 Deg. C and intact. These Samples received an Accutest job number of MC537. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Extractables by GCMS By Method SW846 8270C

Matrix LEACHATE	Batch ID: OP25072
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- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) MC537-18 have compound(s) reported with a "B" qualifier, indicating analyte is found in the associated method blank.
- Blank Spike Recovery(s) for Hexachlorocyclopentadiene, Hexachloroethane are outside control limits. Blank Spike meets program technical requirements.
- Quadratic regression is employed for initial calibration standard in batch MSS1009-ICC1009 for Hexachlorocyclopentadiene, 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Pentachlorophenol, Di-n-butylphthalate, bis(2-Ethylhexyl)phthalate, Fluorene, Benzo[a]anthracene, Benzo[k]fluoranthene, Benzo[a]pyrene, Indeno[1,2,3cd]pyren, Dibenz[a,h]anthracene, 3,3'-Dichlorobenzidine.
- MC537-18 for Phenol-d5, 2,4,6-Tribromophenol, 2-Fluorophenol: Outside control limits due to possible spiking error. Sample re-extracted/reanalyzed.
- Continuing calibration check standard MSS1031-CC1009 for 2,4,6-Tribromophenol exceed 30% Difference. This check standard met RCP criteria.
- OP25072-BS for 2,4,6-Tribromophenol: Outside control limits. Individual spike recoveries within acceptance limits.
- Continuing calibration check standard MSS1032-CC1009 for 2,4,6-Tribromophenol exceed 30% Difference. This check standard met RCP criteria.

Matrix LEACHATE	Batch ID: OP25158
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- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Quadratic regression is employed for initial calibration standard in batch MSS1034-ICC1034 for 2,4-Dinitrophenol, Pentachlorophenol.

Extractables by GC By Method SW846 8082

Matrix SO	Batch ID: OP25070
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- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method SM21 2540 B MOD.

Matrix SO	Batch ID: GN35033
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- Sample(s) MC537-10DUP were used as the QC samples for Solids, Percent.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(MC537).

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	1227955	
Lab Sample ID:	MC537-1	Date Sampled: 05/24/11
Matrix:	SO - Soil	Date Received: 05/25/11
Method:	SW846 8082 SW846 3540C	Percent Solids: 95.2
Project:	PWCTEH: Willgoos Misl Sampling	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26439.D	1	05/31/11	AP	05/27/11	OP25070	GBE1503
Run #2							

	Initial Weight	Final Volume
Run #1	5.86 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	270	ug/kg	
11104-28-2	Aroclor 1221	ND	270	ug/kg	
11141-16-5	Aroclor 1232	ND	270	ug/kg	
53469-21-9	Aroclor 1242	ND	270	ug/kg	
12672-29-6	Aroclor 1248	ND	270	ug/kg	
11097-69-1	Aroclor 1254	ND	270	ug/kg	
11096-82-5	Aroclor 1260	ND	270	ug/kg	
37324-23-5	Aroclor 1262	ND	270	ug/kg	
11100-14-4	Aroclor 1268	ND	270	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	125%		30-150%
877-09-8	Tetrachloro-m-xylene	124%		30-150%
2051-24-3	Decachlorobiphenyl	124%		30-150%
2051-24-3	Decachlorobiphenyl	104%		30-150%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227956		
Lab Sample ID:	MC537-2	Date Sampled:	05/24/11
Matrix:	SO - Soil	Date Received:	05/25/11
Method:	SW846 8082 SW846 3540C	Percent Solids:	93.9
Project:	PWCTEH: Willgoos Misc Sampling		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26440.D	1	05/31/11	AP	05/27/11	OP25070	GBE1503
Run #2							

	Initial Weight	Final Volume
Run #1	5.10 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	310	ug/kg	
11104-28-2	Aroclor 1221	ND	310	ug/kg	
11141-16-5	Aroclor 1232	ND	310	ug/kg	
53469-21-9	Aroclor 1242	ND	310	ug/kg	
12672-29-6	Aroclor 1248	ND	310	ug/kg	
11097-69-1	Aroclor 1254	ND	310	ug/kg	
11096-82-5	Aroclor 1260	ND	310	ug/kg	
37324-23-5	Aroclor 1262	ND	310	ug/kg	
11100-14-4	Aroclor 1268	ND	310	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	131%		30-150%
877-09-8	Tetrachloro-m-xylene	130%		30-150%
2051-24-3	Decachlorobiphenyl	125%		30-150%
2051-24-3	Decachlorobiphenyl	114%		30-150%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227957	
Lab Sample ID:	MC537-3	Date Sampled: 05/24/11
Matrix:	SO - Soil	Date Received: 05/25/11
Method:	SW846 8082 SW846 3540C	Percent Solids: 90.0
Project:	PWCTEH: Willgoos Misc Sampling	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26441.D	1	05/31/11	AP	05/27/11	OP25070	GBE1503
Run #2							

	Initial Weight	Final Volume
Run #1	5.24 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	320	ug/kg	
11104-28-2	Aroclor 1221	ND	320	ug/kg	
11141-16-5	Aroclor 1232	ND	320	ug/kg	
53469-21-9	Aroclor 1242	ND	320	ug/kg	
12672-29-6	Aroclor 1248	ND	320	ug/kg	
11097-69-1	Aroclor 1254	ND	320	ug/kg	
11096-82-5	Aroclor 1260	ND	320	ug/kg	
37324-23-5	Aroclor 1262	ND	320	ug/kg	
11100-14-4	Aroclor 1268	ND	320	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	111%		30-150%
877-09-8	Tetrachloro-m-xylene	106%		30-150%
2051-24-3	Decachlorobiphenyl	83%		30-150%
2051-24-3	Decachlorobiphenyl	94%		30-150%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227958	
Lab Sample ID:	MC537-4	Date Sampled: 05/24/11
Matrix:	SO - Soil	Date Received: 05/25/11
Method:	SW846 8082 SW846 3540C	Percent Solids: 92.1
Project:	PWCTEH: Willgoos Misl Sampling	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26493.D	1	06/01/11	AP	05/27/11	OP25070	GBE1504
Run #2							

Run #	Initial Weight	Final Volume
Run #1	5.36 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254	ND	300	ug/kg	
11096-82-5	Aroclor 1260	ND	300	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%		30-150%
877-09-8	Tetrachloro-m-xylene	115%		30-150%
2051-24-3	Decachlorobiphenyl	100%		30-150%
2051-24-3	Decachlorobiphenyl	102%		30-150%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227959	
Lab Sample ID:	MC537-5	Date Sampled: 05/24/11
Matrix:	SO - Soil	Date Received: 05/25/11
Method:	SW846 8082 SW846 3540C	Percent Solids: 91.4
Project:	PWCTEH: Willgoos Misl Sampling	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26443.D	1	05/31/11	AP	05/27/11	OP25070	GBE1503
Run #2							

	Initial Weight	Final Volume
Run #1	5.40 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254	ND	300	ug/kg	
11096-82-5	Aroclor 1260	ND	300	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	114%		30-150%
877-09-8	Tetrachloro-m-xylene	109%		30-150%
2051-24-3	Decachlorobiphenyl	117%		30-150%
2051-24-3	Decachlorobiphenyl	105%		30-150%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227960	
Lab Sample ID:	MC537-6	Date Sampled: 05/24/11
Matrix:	SO - Soil	Date Received: 05/25/11
Method:	SW846 8082 SW846 3540C	Percent Solids: 92.9
Project:	PWCTEH: Willgoos Misl Sampling	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26494.D	1	06/01/11	AP	05/27/11	OP25070	GBE1504
Run #2							

	Initial Weight	Final Volume
Run #1	5.60 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254	348	290	ug/kg	
11096-82-5	Aroclor 1260	ND	290	ug/kg	
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	118%		30-150%
877-09-8	Tetrachloro-m-xylene	118%		30-150%
2051-24-3	Decachlorobiphenyl	103%		30-150%
2051-24-3	Decachlorobiphenyl	104%		30-150%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227961	
Lab Sample ID:	MC537-7	Date Sampled: 05/24/11
Matrix:	SO - Soil	Date Received: 05/25/11
Method:	SW846 8082 SW846 3540C	Percent Solids: 94.3
Project:	PWCTEH: Willgoos Misl Sampling	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26445.D	1	05/31/11	AP	05/27/11	OP25070	GBE1503
Run #2							

Run #	Initial Weight	Final Volume
Run #1	5.72 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	280	ug/kg	
11104-28-2	Aroclor 1221	ND	280	ug/kg	
11141-16-5	Aroclor 1232	ND	280	ug/kg	
53469-21-9	Aroclor 1242	ND	280	ug/kg	
12672-29-6	Aroclor 1248	ND	280	ug/kg	
11097-69-1	Aroclor 1254	ND	280	ug/kg	
11096-82-5	Aroclor 1260	ND	280	ug/kg	
37324-23-5	Aroclor 1262	ND	280	ug/kg	
11100-14-4	Aroclor 1268	ND	280	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	118%		30-150%
877-09-8	Tetrachloro-m-xylene	116%		30-150%
2051-24-3	Decachlorobiphenyl	116%		30-150%
2051-24-3	Decachlorobiphenyl	106%		30-150%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227962		
Lab Sample ID:	MC537-8	Date Sampled:	05/24/11
Matrix:	SO - Soil	Date Received:	05/25/11
Method:	SW846 8082 SW846 3540C	Percent Solids:	94.0
Project:	PWCTEH: Willgoos Misl Sampling		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26446.D	1	05/31/11	AP	05/27/11	OP25070	GBE1503
Run #2							

	Initial Weight	Final Volume
Run #1	5.88 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	270	ug/kg	
11104-28-2	Aroclor 1221	ND	270	ug/kg	
11141-16-5	Aroclor 1232	ND	270	ug/kg	
53469-21-9	Aroclor 1242	ND	270	ug/kg	
12672-29-6	Aroclor 1248	ND	270	ug/kg	
11097-69-1	Aroclor 1254	ND	270	ug/kg	
11096-82-5	Aroclor 1260	ND	270	ug/kg	
37324-23-5	Aroclor 1262	ND	270	ug/kg	
11100-14-4	Aroclor 1268	ND	270	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	116%		30-150%
877-09-8	Tetrachloro-m-xylene	115%		30-150%
2051-24-3	Decachlorobiphenyl	128%		30-150%
2051-24-3	Decachlorobiphenyl	116%		30-150%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227963		
Lab Sample ID:	MC537-9	Date Sampled:	05/24/11
Matrix:	SO - Soil	Date Received:	05/25/11
Method:	SW846 8082 SW846 3540C	Percent Solids:	93.1
Project:	PWCTEH: Willgoos Misl Sampling		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26492.D	1	06/01/11	AP	05/27/11	OP25070	GBE1504
Run #2							

	Initial Weight	Final Volume
Run #1	5.96 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	270	ug/kg	
11104-28-2	Aroclor 1221	ND	270	ug/kg	
11141-16-5	Aroclor 1232	ND	270	ug/kg	
53469-21-9	Aroclor 1242	ND	270	ug/kg	
12672-29-6	Aroclor 1248	ND	270	ug/kg	
11097-69-1	Aroclor 1254	284	270	ug/kg	
11096-82-5	Aroclor 1260	ND	270	ug/kg	
37324-23-5	Aroclor 1262	ND	270	ug/kg	
11100-14-4	Aroclor 1268	ND	270	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	133%		30-150%
877-09-8	Tetrachloro-m-xylene	130%		30-150%
2051-24-3	Decachlorobiphenyl	121%		30-150%
2051-24-3	Decachlorobiphenyl	124%		30-150%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227964						
Lab Sample ID:	MC537-10				Date Sampled:	05/24/11	
Matrix:	SO - Soil				Date Received:	05/25/11	
Method:	SW846 8082 SW846 3540C				Percent Solids:	92.3	
Project:	PWCTEH: Willgoos Misl Sampling						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26449.D	1	05/31/11	AP	05/27/11	OP25070	GBE1503
Run #2							

	Initial Weight	Final Volume
Run #1	5.20 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	310	ug/kg	
11104-28-2	Aroclor 1221	ND	310	ug/kg	
11141-16-5	Aroclor 1232	ND	310	ug/kg	
53469-21-9	Aroclor 1242	ND	310	ug/kg	
12672-29-6	Aroclor 1248	ND	310	ug/kg	
11097-69-1	Aroclor 1254	ND	310	ug/kg	
11096-82-5	Aroclor 1260	ND	310	ug/kg	
37324-23-5	Aroclor 1262	ND	310	ug/kg	
11100-14-4	Aroclor 1268	ND	310	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	135%		30-150%
877-09-8	Tetrachloro-m-xylene	126%		30-150%
2051-24-3	Decachlorobiphenyl	141%		30-150%
2051-24-3	Decachlorobiphenyl	133%		30-150%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227965						
Lab Sample ID:	MC537-11				Date Sampled:	05/24/11	
Matrix:	SO - Soil				Date Received:	05/25/11	
Method:	SW846 8082 SW846 3540C				Percent Solids:	93.1	
Project:	PWCTEH: Willgoos Misl Sampling						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26450.D	1	05/31/11	AP	05/27/11	OP25070	GBE1503
Run #2							

	Initial Weight	Final Volume
Run #1	5.16 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	310	ug/kg	
11104-28-2	Aroclor 1221	ND	310	ug/kg	
11141-16-5	Aroclor 1232	ND	310	ug/kg	
53469-21-9	Aroclor 1242	ND	310	ug/kg	
12672-29-6	Aroclor 1248	ND	310	ug/kg	
11097-69-1	Aroclor 1254	ND	310	ug/kg	
11096-82-5	Aroclor 1260	ND	310	ug/kg	
37324-23-5	Aroclor 1262	ND	310	ug/kg	
11100-14-4	Aroclor 1268	ND	310	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	114%		30-150%
877-09-8	Tetrachloro-m-xylene	114%		30-150%
2051-24-3	Decachlorobiphenyl	122%		30-150%
2051-24-3	Decachlorobiphenyl	116%		30-150%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227966						
Lab Sample ID:	MC537-12				Date Sampled:	05/24/11	
Matrix:	SO - Soil				Date Received:	05/25/11	
Method:	SW846 8082 SW846 3540C				Percent Solids:	95.8	
Project:	PWCTEH: Willgoos Misl Sampling						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26495.D	1	06/01/11	AP	05/27/11	OP25070	GBE1504
Run #2							

	Initial Weight	Final Volume
Run #1	5.14 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254	473	300	ug/kg	
11096-82-5	Aroclor 1260	ND	300	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	127%		30-150%
877-09-8	Tetrachloro-m-xylene	127%		30-150%
2051-24-3	Decachlorobiphenyl	113%		30-150%
2051-24-3	Decachlorobiphenyl	115%		30-150%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227967						
Lab Sample ID:	MC537-13				Date Sampled:	05/24/11	
Matrix:	SO - Soil				Date Received:	05/25/11	
Method:	SW846 8082 SW846 3540C				Percent Solids:	95.0	
Project:	PWCTEH: Willgoos Misl Sampling						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26452.D	1	05/31/11	AP	05/27/11	OP25070	GBE1503
Run #2							

	Initial Weight	Final Volume
Run #1	5.28 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254	ND	300	ug/kg	
11096-82-5	Aroclor 1260	ND	300	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	113%		30-150%
877-09-8	Tetrachloro-m-xylene	111%		30-150%
2051-24-3	Decachlorobiphenyl	117%		30-150%
2051-24-3	Decachlorobiphenyl	111%		30-150%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227968						
Lab Sample ID:	MC537-14				Date Sampled:	05/24/11	
Matrix:	SO - Soil				Date Received:	05/25/11	
Method:	SW846 8082 SW846 3540C				Percent Solids:	95.2	
Project:	PWCTEH: Willgoos Misc Sampling						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26453.D	1	05/31/11	AP	05/27/11	OP25070	GBE1503
Run #2							

	Initial Weight	Final Volume
Run #1	5.52 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254	ND	290	ug/kg	
11096-82-5	Aroclor 1260	ND	290	ug/kg	
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%		30-150%
877-09-8	Tetrachloro-m-xylene	105%		30-150%
2051-24-3	Decachlorobiphenyl	108%		30-150%
2051-24-3	Decachlorobiphenyl	103%		30-150%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227969						
Lab Sample ID:	MC537-15				Date Sampled:	05/24/11	
Matrix:	SO - Soil				Date Received:	05/25/11	
Method:	SW846 8082 SW846 3540C				Percent Solids:	95.1	
Project:	PWCTEH: Willgoos Misl Sampling						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26454.D	1	06/01/11	AP	05/27/11	OP25070	GBE1503
Run #2							

	Initial Weight	Final Volume
Run #1	5.68 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	280	ug/kg	
11104-28-2	Aroclor 1221	ND	280	ug/kg	
11141-16-5	Aroclor 1232	ND	280	ug/kg	
53469-21-9	Aroclor 1242	ND	280	ug/kg	
12672-29-6	Aroclor 1248	ND	280	ug/kg	
11097-69-1	Aroclor 1254	ND	280	ug/kg	
11096-82-5	Aroclor 1260	ND	280	ug/kg	
37324-23-5	Aroclor 1262	ND	280	ug/kg	
11100-14-4	Aroclor 1268	ND	280	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	89%		30-150%
877-09-8	Tetrachloro-m-xylene	102%		30-150%
2051-24-3	Decachlorobiphenyl	105%		30-150%
2051-24-3	Decachlorobiphenyl	100%		30-150%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227970	
Lab Sample ID:	MC537-16	Date Sampled: 05/24/11
Matrix:	SO - Soil	Date Received: 05/25/11
Method:	SW846 8082 SW846 3540C	Percent Solids: 95.3
Project:	PWCTEH: Willgoos Misl Sampling	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26455.D	1	06/01/11	AP	05/27/11	OP25070	GBE1503
Run #2							

	Initial Weight	Final Volume
Run #1	5.70 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	280	ug/kg	
11104-28-2	Aroclor 1221	ND	280	ug/kg	
11141-16-5	Aroclor 1232	ND	280	ug/kg	
53469-21-9	Aroclor 1242	ND	280	ug/kg	
12672-29-6	Aroclor 1248	ND	280	ug/kg	
11097-69-1	Aroclor 1254	ND	280	ug/kg	
11096-82-5	Aroclor 1260	ND	280	ug/kg	
37324-23-5	Aroclor 1262	ND	280	ug/kg	
11100-14-4	Aroclor 1268	ND	280	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	136%		30-150%
877-09-8	Tetrachloro-m-xylene	134%		30-150%
2051-24-3	Decachlorobiphenyl	140%		30-150%
2051-24-3	Decachlorobiphenyl	136%		30-150%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227971						
Lab Sample ID:	MC537-17				Date Sampled:	05/24/11	
Matrix:	SO - Soil				Date Received:	05/25/11	
Method:	SW846 8082 SW846 3540C				Percent Solids:	96.8	
Project:	PWCTEH: Willgoos Misl Sampling						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BE26456.D	1	06/01/11	AP	05/27/11	OP25070	GBE1503
Run #2							

	Initial Weight	Final Volume
Run #1	5.88 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	260	ug/kg	
11104-28-2	Aroclor 1221	ND	260	ug/kg	
11141-16-5	Aroclor 1232	ND	260	ug/kg	
53469-21-9	Aroclor 1242	ND	260	ug/kg	
12672-29-6	Aroclor 1248	ND	260	ug/kg	
11097-69-1	Aroclor 1254	ND	260	ug/kg	
11096-82-5	Aroclor 1260	ND	260	ug/kg	
37324-23-5	Aroclor 1262	ND	260	ug/kg	
11100-14-4	Aroclor 1268	ND	260	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	108%		30-150%
877-09-8	Tetrachloro-m-xylene	107%		30-150%
2051-24-3	Decachlorobiphenyl	113%		30-150%
2051-24-3	Decachlorobiphenyl	107%		30-150%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227972		
Lab Sample ID:	MC537-18	Date Sampled:	05/24/11
Matrix:	SO - Soil	Date Received:	05/25/11
Method:	SW846 8270C SW846 3510C SPLP	Percent Solids:	n/a
Project:	PWCTEH: Willgoos Misc Sampling		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S24359.D	1	05/31/11	PR	05/27/11	OP25072	MSS1031
Run #2	S24508.D	1	06/08/11	PR	06/08/11	OP25158	MSS1040

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	280 ml	1.0 ml

ABN RCP List

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	Units	Q
95-57-8	2-Chlorophenol	ND ^a		0.018	mg/l	
59-50-7	4-Chloro-3-methyl phenol	ND ^a		0.036	mg/l	
120-83-2	2,4-Dichlorophenol	ND ^a		0.036	mg/l	
105-67-9	2,4-Dimethylphenol	ND ^a		0.036	mg/l	
51-28-5	2,4-Dinitrophenol	ND ^a		0.071	mg/l	
534-52-1	4,6-Dinitro-o-cresol	ND ^a		0.036	mg/l	
95-48-7	2-Methylphenol	ND ^a		0.036	mg/l	
106-44-5	4-Methylphenol	ND ^a		0.036	mg/l	
88-75-5	2-Nitrophenol	ND ^a		0.036	mg/l	
100-02-7	4-Nitrophenol	ND ^a		0.071	mg/l	
87-86-5	Pentachlorophenol	ND ^a		0.036	mg/l	
108-95-2	Phenol	ND ^a		0.018	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND ^a		0.036	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND ^a		0.036	mg/l	
83-32-9	Acenaphthene	ND		0.0050	mg/l	
208-96-8	Acenaphthylene	ND		0.0050	mg/l	
62-53-3	Aniline	ND		0.010	mg/l	
120-12-7	Anthracene	ND		0.0050	mg/l	
56-55-3	Benzo(a)anthracene	ND		0.0050	mg/l	
50-32-8	Benzo(a)pyrene	ND		0.0050	mg/l	
205-99-2	Benzo(b)fluoranthene	ND		0.0050	mg/l	
191-24-2	Benzo(g,h,i)perylene	ND		0.0050	mg/l	
207-08-9	Benzo(k)fluoranthene	ND		0.0050	mg/l	
101-55-3	4-Bromophenyl phenyl ether	ND		0.0050	mg/l	
85-68-7	Butyl benzyl phthalate	0.0063		0.0050	mg/l	B
91-58-7	2-Chloronaphthalene	ND		0.0050	mg/l	
106-47-8	4-Chloroaniline	ND		0.010	mg/l	
86-74-8	Carbazole	ND		0.0050	mg/l	
218-01-9	Chrysene	ND		0.0050	mg/l	
111-91-1	bis(2-Chloroethoxy)methane	ND		0.0050	mg/l	
111-44-4	bis(2-Chloroethyl)ether	ND		0.0050	mg/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND		0.0050	mg/l	

ND = Not detected

MCL = Maximum Contamination Level (not available)

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227972	Date Sampled:	05/24/11
Lab Sample ID:	MC537-18	Date Received:	05/25/11
Matrix:	SO - Soil	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C SPLP		
Project:	PWCTEH: Willgoos Misc Sampling		

ABN RCP List

SPLP Leachate method SW846 1312

CAS No.	Compound	Result	MCL	RL	Units	Q
7005-72-3	4-Chlorophenyl phenyl ether	ND		0.0050	mg/l	
121-14-2	2,4-Dinitrotoluene	ND		0.010	mg/l	
606-20-2	2,6-Dinitrotoluene	ND		0.010	mg/l	
91-94-1	3,3'-Dichlorobenzidine	ND		0.0050	mg/l	
53-70-3	Dibenzo(a,h)anthracene	ND		0.0050	mg/l	
132-64-9	Dibenzofuran	ND		0.0050	mg/l	
84-74-2	Di-n-butyl phthalate	ND		0.0050	mg/l	
117-84-0	Di-n-octyl phthalate	ND		0.0050	mg/l	
84-66-2	Diethyl phthalate	ND		0.0050	mg/l	
131-11-3	Dimethyl phthalate	ND		0.0050	mg/l	
117-81-7	bis(2-Ethylhexyl)phthalate	0.0023		0.0020	mg/l	B
206-44-0	Fluoranthene	ND		0.0050	mg/l	
86-73-7	Fluorene	ND		0.0050	mg/l	
118-74-1	Hexachlorobenzene	ND		0.0050	mg/l	
87-68-3	Hexachlorobutadiene	ND		0.0050	mg/l	
77-47-4	Hexachlorocyclopentadiene	ND		0.010	mg/l	
67-72-1	Hexachloroethane	ND		0.0050	mg/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND		0.0050	mg/l	
78-59-1	Isophorone	ND		0.0050	mg/l	
91-57-6	2-Methylnaphthalene	ND		0.0050	mg/l	
88-74-4	2-Nitroaniline	ND		0.010	mg/l	
99-09-2	3-Nitroaniline	ND		0.010	mg/l	
100-01-6	4-Nitroaniline	ND		0.010	mg/l	
91-20-3	Naphthalene	ND		0.0050	mg/l	
98-95-3	Nitrobenzene	ND		0.0050	mg/l	
621-64-7	N-Nitroso-di-n-propylamine	ND		0.0050	mg/l	
86-30-6	N-Nitrosodiphenylamine	ND		0.0050	mg/l	
82-68-8	Pentachloronitrobenzene	ND		0.010	mg/l	
85-01-8	Phenanthrene	ND		0.0050	mg/l	
129-00-0	Pyrene	ND		0.0050	mg/l	
110-86-1	Pyridine	ND		0.010	mg/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		0.010	mg/l	
120-82-1	1,2,4-Trichlorobenzene	ND		0.0050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	0% ^b	71%	15-110%
4165-62-2	Phenol-d5	0% ^b	59%	15-110%
118-79-6	2,4,6-Tribromophenol	0% ^b	80%	15-110%
4165-60-0	Nitrobenzene-d5	73%	71%	30-130%

ND = Not detected

MCL = Maximum Contamination Level (not available)

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	1227972	Date Sampled:	05/24/11
Lab Sample ID:	MC537-18	Date Received:	05/25/11
Matrix:	SO - Soil	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C SPLP		
Project:	PWCTEH: Willgoos Misl Sampling		

ABN RCP List

SPLP Leachate method SW846 1312

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	72%	71%	30-130%
1718-51-0	Terphenyl-d14	85%	81%	30-130%

(a) Result is from Run# 2

(b) Outside control limits due to possible spiking error. Sample re-extracted/reanalyzed.

ND = Not detected

MCL = Maximum Contamination Level (not available)

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Certification Exceptions (CT)
- Chain of Custody
- RCP Form
- Sample Tracking Chronicle

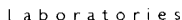
Parameter Certification Exceptions

Job Number: MC537
Account: LEA Loureiro Eng. Associates
Project: PWCTEH: Willgoos Misc Sampling

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Aroclor 1262	37324-23-5	SW846 8082	SO	Certified by SOP MGC204/GC-ECD
Aroclor 1268	11100-14-4	SW846 8082	SO	Certified by SOP MGC204/GC-ECD

4.1
4



495 TECHNOLOGY CENTER WEST • BUILDING ONE
MARLBOROUGH, MA 01752
TEL: 508-481-6200 • FAX: 508-481-7753

ACCU-TEST JOB #:

MC537

ACCUTEST QUOTE #:

4.2

Page 1 of 3

CHAIN OF CUSTODY

495 TECHNOLOGY CENTER WEST • BUILDING ONE
MARLBOROUGH, MA 01752
TEL: 508-481-6200 • FAX: 508-481-7753

ACCUTEST JOB #:

MC537

ACCUTEST QUOTE #:

CLIENT INFORMATION		FACILITY INFORMATION				ANALYTICAL INFORMATION												MATRIX CODES	
NAME: <u>180</u> ADDRESS: <u>100 Woodward</u> <u>Plainville CT 06062</u> CITY: <u>D. Brissan</u> STATE: <u>CT</u> ZIP: <u>06062</u> SEND REPORT TO: <u></u> PHONE #: <u></u>		PROJECT NAME: <u>Willgoos Misc Sampling</u> LOCATION: <u>PwE H</u> PROJECT NO.: <u>68P0141</u> FAX #: <u></u>				<u>PCB 8082</u> <u>SVOC</u>												DW - DRINKING WATER GW - GROUND WATER WW - WASTE WATER SO - SOIL SL - SLUDGE OI - OIL LIQ - OTHER LIQUID SOL - OTHER SOLID	
ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION			MATRIX	LOF	BOTTLES	PRESERVATION								LAB USE ONLY			
		DATE	TIME	SAMPLED BY:				HCl	NaOH	HNO3	H2SO4	None	Other						
-12	1227966	5/24	1450	NSE	SOL	1													
-13	1227967		1454																
-14	1227968		1459																
-15	1227969		1504																
-16	1227970		1508																
-17	1227971		1511																
-18	1227972	5/24	1540	NSE	SOL	1													
DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION				COMMENTS/REMARKS													
<input type="checkbox"/> 14 DAYS STANDARD <input type="checkbox"/> 7 DAYS RUSH <input type="checkbox"/> 48 HOUR EMERGENCY <input checked="" type="checkbox"/> RUSH! 14 DAY TURNAROUND COPY, EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED		APPROVED BY: <u>3.5 DA</u> <input type="checkbox"/> STANDARD <input type="checkbox"/> COMMERCIAL "B" <input type="checkbox"/> DISK DELIVERABLE <input type="checkbox"/> STATE FORMS <input type="checkbox"/> OTHER (SPECIFY) <u></u>				<u>PCB by Soxhlet</u>													
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY																			
RELINQUISHED BY: <u>1. [Signature]</u>		DATE/TIME: <u>5/24/11</u>		RECEIVED BY: <u>1. [Signature]</u>		DATE/TIME: <u>5/25/11</u>		RELINQUISHED BY: <u>2. [Signature]</u>		DATE/TIME: <u>5/25/11</u>		RECEIVED BY: <u>2. [Signature]</u>							
RELINQUISHED BY: <u>3. [Signature]</u>		DATE/TIME: <u>5-25-11</u>		RECEIVED BY: <u>3. [Signature]</u>		DATE/TIME: <u></u>		RELINQUISHED BY: <u>4. [Signature]</u>		DATE/TIME: <u></u>		RECEIVED BY: <u>4. [Signature]</u>							
RELINQUISHED BY: <u>5. [Signature]</u>		DATE/TIME: <u></u>		RECEIVED BY: <u>5. [Signature]</u>		DATE/TIME: <u></u>		RELINQUISHED BY: <u></u>		DATE/TIME: <u></u>		RECEIVED BY: <u></u>							
SEAL #						PRESERVE WHERE APPLICABLE						ON ICE		TEMPERATURE					
												<input type="checkbox"/>		<u>24°C</u>					

MC537: Chain of Custody

Page 2 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC537

Client: LEA

Immediate Client Services Action Required: No

Date / Time Received: 5/25/2011

Delivery Method:

Client Service Action Required at Login: No

Project: WILLGOOS

No. Coolers: 1

Airbill #'s: N/A

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	4. Smpl Dates/Time OK	<input checked="" type="checkbox"/>		<input type="checkbox"/>

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Cooler temp verification:			Infrared gun
3. Cooler media:			Ice (bag)

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Trip Blank listed on COC:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Samples preserved properly:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. VOCs headspace free:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>		<input type="checkbox"/>

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Condition of sample:			Intact

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
3. Sufficient volume recvd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments

**Reasonable Confidence Protocol
Laboratory Analysis
QA/QC Certification Form**

Laboratory Name: Accutest New England **Client:** Loureiro Eng. Associates

Project Location: PWCTEH:Willgoos MiscI Sampling **Project Number:** 68PO141

Sampling Date(s): 5/24/2011

Laboratory Sample ID(s): MC537-1, MC537-2, MC537-3, MC537-4, MC537-5, MC537-6, MC537-7, MC537-8, MC537-9, MC537-10, MC537-11, MC537-12, MC537-13, MC537-14, MC537-15, MC537-16, MC537-17, MC537-18

Methods: SM21 2540 B MOD., SW846 8082, SW846 8270C

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1A	Where all the method specified preservation and holding time requirements met?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1B	VPH and EPH mehdods only: Was the VPH or EPH method conducted without significant modifications (See section 11.3 of respective methods)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
3	Were samples received at an appropriate temperature (<6° C)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
5	a) Were reporting limits specified or referenced on the chain-of-custody?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	b) Were these reporting limits met?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized

Signature: 

Position: Lab Director

Printed Name: Reza Tand
Accutest New England

Date: 6/8/2011

Internal Sample Tracking Chronicle

Loureiro Eng. Associates

Job No: MC537

PWCTEH: Willgoos Misl Sampling

Project No: 68PO141

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC537-1 1227955	Collected: 24-MAY-11 14:40	By: NSE	Received: 25-MAY-11	By: JB		
MC537-1	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-1	SW846 8082	31-MAY-11 18:32	AP	27-MAY-11 FC		P8082SOXHLETRCP
MC537-2 1227956	Collected: 24-MAY-11 14:12	By: NSE	Received: 25-MAY-11	By: JB		
MC537-2	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-2	SW846 8082	31-MAY-11 18:54	AP	27-MAY-11 FC		P8082SOXHLETRCP
MC537-3 1227957	Collected: 24-MAY-11 14:14	By: NSE	Received: 25-MAY-11	By: JB		
MC537-3	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-3	SW846 8082	31-MAY-11 19:17	AP	27-MAY-11 FC		P8082SOXHLETRCP
MC537-4 1227958	Collected: 24-MAY-11 14:17	By: NSE	Received: 25-MAY-11	By: JB		
MC537-4	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-4	SW846 8082	01-JUN-11 18:01	AP	27-MAY-11 FC		P8082SOXHLETRCP
MC537-5 1227959	Collected: 24-MAY-11 14:21	By: NSE	Received: 25-MAY-11	By: JB		
MC537-5	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-5	SW846 8082	31-MAY-11 20:01	AP	27-MAY-11 FC		P8082SOXHLETRCP
MC537-6 1227960	Collected: 24-MAY-11 14:24	By: NSE	Received: 25-MAY-11	By: JB		
MC537-6	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-6	SW846 8082	01-JUN-11 18:24	AP	27-MAY-11 FC		P8082SOXHLETRCP
MC537-7 1227961	Collected: 24-MAY-11 14:26	By: NSE	Received: 25-MAY-11	By: JB		
MC537-7	SM21 2540 B MOD.	26-MAY-11	CF			%SOL

Internal Sample Tracking Chronicle

Loureiro Eng. Associates

Job No: MC537

 PWCTEH: Willgoos Misl Sampling
 Project No: 68PO141

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC537-7	SW846 8082	31-MAY-11 20:45	AP	27-MAY-11 FC		P8082SOXHLETRCP
MC537-8 1227962	Collected: 24-MAY-11 14:30 By: NSE		Received: 25-MAY-11 By: JB			
MC537-8	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-8	SW846 8082	31-MAY-11 21:08	AP	27-MAY-11 FC		P8082SOXHLETRCP
MC537-9 1227963	Collected: 24-MAY-11 14:34 By: NSE		Received: 25-MAY-11 By: JB			
MC537-9	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-9	SW846 8082	01-JUN-11 17:39	AP	27-MAY-11 FC		P8082SOXHLETRCP
MC537-10 1227964	Collected: 24-MAY-11 14:37 By: NSE		Received: 25-MAY-11 By: JB			
MC537-10	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-10	SW846 8082	31-MAY-11 22:14	AP	27-MAY-11 FC		P8082SOXHLETRCP
MC537-11 1227965	Collected: 24-MAY-11 14:44 By: NSE		Received: 25-MAY-11 By: JB			
MC537-11	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-11	SW846 8082	31-MAY-11 22:36	AP	27-MAY-11 FC		P8082SOXHLETRCP
MC537-12 1227966	Collected: 24-MAY-11 14:50 By: NSE		Received: 25-MAY-11 By: JB			
MC537-12	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-12	SW846 8082	01-JUN-11 18:46	AP	27-MAY-11 FC		P8082SOXHLETRCP
MC537-13 1227967	Collected: 24-MAY-11 14:54 By: NSE		Received: 25-MAY-11 By: JB			
MC537-13	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-13	SW846 8082	31-MAY-11 23:21	AP	27-MAY-11 FC		P8082SOXHLETRCP

Internal Sample Tracking Chronicle

Loureiro Eng. Associates

Job No: MC537

PWCTEH: Willgoos Misl Sampling

Project No: 68PO141

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC537-14 Collected: 24-MAY-11 14:59 By: NSE Received: 25-MAY-11 By: JB 1227968						
MC537-14	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-14	SW846 8082	31-MAY-11 23:43	AP	27-MAY-11 FC		P8082SOXHLETRCP
MC537-15 Collected: 24-MAY-11 15:04 By: NSE Received: 25-MAY-11 By: JB 1227969						
MC537-15	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-15	SW846 8082	01-JUN-11 00:05	AP	27-MAY-11 FC		P8082SOXHLETRCP
MC537-16 Collected: 24-MAY-11 15:08 By: NSE Received: 25-MAY-11 By: JB 1227970						
MC537-16	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-16	SW846 8082	01-JUN-11 00:27	AP	27-MAY-11 FC		P8082SOXHLETRCP
MC537-17 Collected: 24-MAY-11 15:11 By: NSE Received: 25-MAY-11 By: JB 1227971						
MC537-17	SM21 2540 B MOD.	26-MAY-11	CF			%SOL
MC537-17	SW846 8082	01-JUN-11 00:49	AP	27-MAY-11 FC		P8082SOXHLETRCP
MC537-18 Collected: 24-MAY-11 15:40 By: NSE Received: 25-MAY-11 By: JB 1227972						
MC537-18	SW846 8270C	31-MAY-11 19:24	PR	27-MAY-11 AJ		AB8270SPLPRCP
MC537-18	SW846 8270C	08-JUN-11 14:56	PR	08-JUN-11 BJ		AB8270SPLPRCP

GC/MS Semi-volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Page 1 of 2

Job Number: MC537
Account: LEA Loureiro Eng. Associates
Project: PWCTEH: Willgoos Misl Sampling

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP25072-MB	S24357.D	1	05/31/11	PR	05/27/11	OP25072	MSS1031

The QC reported here applies to the following samples:

Method: SW846 8270C

MC537-18

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	5.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	ug/l	
62-53-3	Aniline	ND	10	ug/l	
120-12-7	Anthracene	ND	5.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	ug/l	
86-74-8	Carbazole	ND	5.0	ug/l	
218-01-9	Chrysene	ND	5.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	ug/l	
84-74-2	Di-n-butyl phthalate	1.2	5.0	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	5.0	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.4	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	ug/l	
86-73-7	Fluorene	ND	5.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	ug/l	
67-72-1	Hexachloroethane	ND	5.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	ug/l	

Method Blank Summary

Page 2 of 2

Job Number: MC537

Account: LEA Loureiro Eng. Associates

Project: PWCTEH: Willgoos Misc Sampling

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP25072-MB	S24357.D	1	05/31/11	PR	05/27/11	OP25072	MSS1031

The QC reported here applies to the following samples:

Method: SW846 8270C

MC537-18

CAS No.	Compound	Result	RL	Units	Q
78-59-1	Isophorone	ND	5.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	ug/l	
99-09-2	3-Nitroaniline	ND	10	ug/l	
100-01-6	4-Nitroaniline	ND	10	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	ug/l	
82-68-8	Pentachloronitrobenzene	ND	10	ug/l	
85-01-8	Phenanthrene	ND	5.0	ug/l	
129-00-0	Pyrene	ND	5.0	ug/l	
110-86-1	Pyridine	ND	10	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	

CAS No.	Surrogate Recoveries	Limits
367-12-4	2-Fluorophenol	51% 15-110%
4165-62-2	Phenol-d5	32% 15-110%
118-79-6	2,4,6-Tribromophenol	109% 15-110%
4165-60-0	Nitrobenzene-d5	69% 30-130%
321-60-8	2-Fluorobiphenyl	66% 30-130%
1718-51-0	Terphenyl-d14	86% 30-130%

Method Blank Summary

Page 1 of 1

Job Number: MC537

Account: LEA Loureiro Eng. Associates

Project: PWCTEH: Willgoos Misc Sampling

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP25158-MB	S24504.D	1	06/08/11	PR	06/08/11	OP25158	MSS1040

The QC reported here applies to the following samples:

Method: SW846 8270C

MC537-18

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	10	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	ug/l	
105-67-9	2,4-Dimethylphenol	ND	10	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	ug/l	
95-48-7	2-Methylphenol	ND	10	ug/l	
106-44-5	4-Methylphenol	ND	10	ug/l	
88-75-5	2-Nitrophenol	ND	10	ug/l	
100-02-7	4-Nitrophenol	ND	20	ug/l	
87-86-5	Pentachlorophenol	ND	10	ug/l	
108-95-2	Phenol	ND	5.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	10	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	47%	15-110%
4165-62-2	Phenol-d5	28%	15-110%
118-79-6	2,4,6-Tribromophenol	72%	15-110%
4165-60-0	Nitrobenzene-d5	67%	30-130%
321-60-8	2-Fluorobiphenyl	66%	30-130%
1718-51-0	Terphenyl-d14	77%	30-130%

Leachate Blank Summary

Page 1 of 2

Job Number: MC537

Account: LEA Loureiro Eng. Associates

Project: PWCTEH: Willgoos Misl Sampling

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP25072-LB	S24362.D	1	06/01/11	PR	05/27/11	OP25072	MSS1032

The QC reported here applies to the following samples:

Method: SW846 8270C

MC537-18

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	5.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	ug/l	
62-53-3	Aniline	ND	10	ug/l	
120-12-7	Anthracene	ND	5.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	ug/l	
85-68-7	Butyl benzyl phthalate	6.3	5.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	ug/l	
86-74-8	Carbazole	ND	5.0	ug/l	
218-01-9	Chrysene	ND	5.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	10	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	10	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	ug/l	
84-74-2	Di-n-butyl phthalate	1.3	5.0	ug/l	J
117-84-0	Di-n-octyl phthalate	ND	5.0	ug/l	
84-66-2	Diethyl phthalate	0.20	5.0	ug/l	J
131-11-3	Dimethyl phthalate	ND	5.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.5	2.0	ug/l	
206-44-0	Fluoranthene	ND	5.0	ug/l	
86-73-7	Fluorene	ND	5.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	ug/l	
67-72-1	Hexachloroethane	ND	5.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	ug/l	

Leachate Blank Summary

Page 2 of 2

Job Number: MC537

Account: LEA Loureiro Eng. Associates

Project: PWCTEH: Willgoos Misl Sampling

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP25072-LB	S24362.D	1	06/01/11	PR	05/27/11	OP25072	MSS1032

The QC reported here applies to the following samples:

Method: SW846 8270C

MC537-18

CAS No.	Compound	Result	RL	Units	Q
78-59-1	Isophorone	ND	5.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	ug/l	
99-09-2	3-Nitroaniline	ND	10	ug/l	
100-01-6	4-Nitroaniline	ND	10	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	ug/l	
82-68-8	Pentachloronitrobenzene	ND	10	ug/l	
85-01-8	Phenanthrene	ND	5.0	ug/l	
129-00-0	Pyrene	ND	5.0	ug/l	
110-86-1	Pyridine	ND	10	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	

CAS No.	Surrogate Recoveries	Limits
367-12-4	2-Fluorophenol	16% 15-110%
4165-62-2	Phenol-d5	54% 15-110%
118-79-6	2,4,6-Tribromophenol	22% 15-110%
4165-60-0	Nitrobenzene-d5	74% 30-130%
321-60-8	2-Fluorobiphenyl	70% 30-130%
1718-51-0	Terphenyl-d14	91% 30-130%

Leachate Blank Summary

Page 1 of 1

Job Number: MC537

Account: LEA Loureiro Eng. Associates

Project: PWCTEH: Willgoos Misl Sampling

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP25158-LB	S24507.D	1	06/08/11	PR	06/08/11	OP25158	MSS1040

The QC reported here applies to the following samples:

Method: SW846 8270C

MC537-18

CAS No.	Compound	Result	RL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	10	ug/l	
120-83-2	2,4-Dichlorophenol	ND	10	ug/l	
105-67-9	2,4-Dimethylphenol	ND	10	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	ug/l	
95-48-7	2-Methylphenol	ND	10	ug/l	
106-44-5	4-Methylphenol	ND	10	ug/l	
88-75-5	2-Nitrophenol	ND	10	ug/l	
100-02-7	4-Nitrophenol	ND	20	ug/l	
87-86-5	Pentachlorophenol	ND	10	ug/l	
108-95-2	Phenol	ND	5.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	10	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	10	ug/l	

CAS No.	Surrogate Recoveries	Limits	
367-12-4	2-Fluorophenol	49%	15-110%
4165-62-2	Phenol-d5	30%	15-110%
118-79-6	2,4,6-Tribromophenol	76%	15-110%
4165-60-0	Nitrobenzene-d5	67%	30-130%
321-60-8	2-Fluorobiphenyl	66%	30-130%
1718-51-0	Terphenyl-d14	80%	30-130%

Blank Spike Summary

Page 1 of 2

Job Number: MC537

Account: LEA Loureiro Eng. Associates

Project: PWCTEH: Willgoos Misl Sampling

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP25072-BS	S24358.D	1	05/31/11	PR	05/27/11	OP25072	MSS1031

The QC reported here applies to the following samples:

Method: SW846 8270C

MC537-18

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
83-32-9	Acenaphthene	50	41.3	83	40-140
208-96-8	Acenaphthylene	50	35.0	70	40-140
62-53-3	Aniline	50	27.6	55	40-140
120-12-7	Anthracene	50	43.3	87	40-140
56-55-3	Benzo(a)anthracene	50	48.4	97	40-140
50-32-8	Benzo(a)pyrene	50	39.9	80	40-140
205-99-2	Benzo(b)fluoranthene	50	42.4	85	40-140
191-24-2	Benzo(g,h,i)perylene	50	44.4	89	40-140
207-08-9	Benzo(k)fluoranthene	50	45.5	91	40-140
101-55-3	4-Bromophenyl phenyl ether	50	48.1	96	40-140
85-68-7	Butyl benzyl phthalate	50	43.7	87	40-140
91-58-7	2-Chloronaphthalene	50	36.9	74	40-140
106-47-8	4-Chloroaniline	50	27.2	54	40-140
86-74-8	Carbazole	50	49.3	99	40-140
218-01-9	Chrysene	50	43.4	87	40-140
111-91-1	bis(2-Chloroethoxy)methane	50	44.8	90	40-140
111-44-4	bis(2-Chloroethyl)ether	50	42.1	84	40-140
108-60-1	bis(2-Chloroisopropyl)ether	50	34.2	68	40-140
7005-72-3	4-Chlorophenyl phenyl ether	50	39.3	79	40-140
121-14-2	2,4-Dinitrotoluene	50	47.2	94	40-140
606-20-2	2,6-Dinitrotoluene	50	44.4	89	40-140
91-94-1	3,3'-Dichlorobenzidine	50	35.4	71	40-140
53-70-3	Dibenzo(a,h)anthracene	50	49.3	99	40-140
132-64-9	Dibenzofuran	50	40.1	80	40-140
84-74-2	Di-n-butyl phthalate	50	49.4	99	40-140
117-84-0	Di-n-octyl phthalate	50	43.9	88	40-140
84-66-2	Diethyl phthalate	50	44.2	88	40-140
131-11-3	Dimethyl phthalate	50	45.1	90	40-140
117-81-7	bis(2-Ethylhexyl)phthalate	50	46.9	94	40-140
206-44-0	Fluoranthene	50	46.3	93	40-140
86-73-7	Fluorene	50	45.2	90	40-140
118-74-1	Hexachlorobenzene	50	53.7	107	40-140
87-68-3	Hexachlorobutadiene	50	20.6	41	40-140
77-47-4	Hexachlorocyclopentadiene	50	11.8	24* a	40-140
67-72-1	Hexachloroethane	50	18.7	37* a	40-140
193-39-5	Indeno(1,2,3-cd)pyrene	50	48.3	97	40-140

Blank Spike Summary

Page 2 of 2

Job Number: MC537

Account: LEA Loureiro Eng. Associates

Project: PWCTEH: Willgoos Misl Sampling

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP25072-BS	S24358.D	1	05/31/11	PR	05/27/11	OP25072	MSS1031

The QC reported here applies to the following samples:

Method: SW846 8270C

MC537-18

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
78-59-1	Isophorone	50	40.5	81	40-140
91-57-6	2-Methylnaphthalene	50	35.2	70	40-140
88-74-4	2-Nitroaniline	50	47.4	95	40-140
99-09-2	3-Nitroaniline	50	33.0	66	40-140
100-01-6	4-Nitroaniline	50	41.0	82	40-140
91-20-3	Naphthalene	50	35.6	71	40-140
98-95-3	Nitrobenzene	50	38.8	78	40-140
621-64-7	N-Nitroso-di-n-propylamine	50	41.8	84	40-140
86-30-6	N-Nitrosodiphenylamine	50	47.7	95	40-140
82-68-8	Pentachloronitrobenzene	50	39.7	79	40-140
85-01-8	Phenanthrene	50	44.0	88	40-140
129-00-0	Pyrene	50	44.1	88	40-140
110-86-1	Pyridine	50	39.3	79	40-140
95-94-3	1,2,4,5-Tetrachlorobenzene	50	30.7	61	40-140
120-82-1	1,2,4-Trichlorobenzene	50	28.6	57	40-140

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	65%	15-110%
4165-62-2	Phenol-d5	43%	15-110%
118-79-6	2,4,6-Tribromophenol	132% * b	15-110%
4165-60-0	Nitrobenzene-d5	81%	30-130%
321-60-8	2-Fluorobiphenyl	72%	30-130%
1718-51-0	Terphenyl-d14	93%	30-130%

(a) Outside control limits. Blank Spike meets program technical requirements.

(b) Outside control limits. Individual spike recoveries within acceptance limits.

Blank Spike Summary

Page 1 of 1

Job Number: MC537

Account: LEA Loureiro Eng. Associates

Project: PWCTEH: Willgoos Misl Sampling

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP25158-BS	S24505.D	1	06/08/11	PR	06/08/11	OP25158	MSS1040

The QC reported here applies to the following samples:

Method: SW846 8270C

MC537-18

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	100	73.8	74	30-130
59-50-7	4-Chloro-3-methyl phenol	100	82.9	83	30-130
120-83-2	2,4-Dichlorophenol	100	82.3	82	30-130
105-67-9	2,4-Dimethylphenol	100	77.6	78	30-130
51-28-5	2,4-Dinitrophenol	100	61.7	62	30-130
534-52-1	4,6-Dinitro-o-cresol	100	83.4	83	30-130
95-48-7	2-Methylphenol	100	71.0	71	30-130
106-44-5	4-Methylphenol	200	135	68	30-130
88-75-5	2-Nitrophenol	100	81.3	81	30-130
100-02-7	4-Nitrophenol	100	46.9	47	30-130
87-86-5	Pentachlorophenol	100	93.3	93	30-130
108-95-2	Phenol	100	35.6	36	30-130
95-95-4	2,4,5-Trichlorophenol	100	83.3	83	30-130
88-06-2	2,4,6-Trichlorophenol	100	86.2	86	30-130

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	52%	15-110%
4165-62-2	Phenol-d5	34%	15-110%
118-79-6	2,4,6-Tribromophenol	84%	15-110%
4165-60-0	Nitrobenzene-d5	70%	30-130%
321-60-8	2-Fluorobiphenyl	66%	30-130%
1718-51-0	Terphenyl-d14	79%	30-130%

Semivolatile Internal Standard Area Summary

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Job Number: MC537
Account: LEA Loureiro Eng. Associates
Project: PWCTEH: Willgoos Misl Sampling

Check Std: MSS1031-CC1009	Injection Date: 05/31/11
Lab File ID: S24343.D	Injection Time: 11:27
Instrument ID: GCMSS	Method: SW846 8270C

	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Check Std	263084	6.46	915977	7.85	553573	10.10	1105320	12.33	1477660	16.70	1430212	18.93
Upper Limit ^a	526168	6.96	1831954	8.35	1107146	10.60	2210640	12.83	2955320	17.20	2860424	19.43
Lower Limit ^b	131542	5.96	457989	7.35	276787	9.60	552660	11.83	738830	16.20	715106	18.43

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
ZZZZZZ	275127	6.46	1015132	7.85	635671	10.10	1269020	12.33	1553855	16.69	1507641	18.93
OP25010-MB	220659	6.46	809128	7.85	501666	10.10	998610	12.33	1221221	16.69	1125490	18.93
OP25010-BS	285708	6.46	1018951	7.85	614884	10.10	1189585	12.33	1549860	16.70	1350650	18.93
ZZZZZZ	231206	6.46	847303	7.85	524059	10.10	1059148	12.33	1304316	16.69	1231962	18.93
ZZZZZZ	253211	6.46	915627	7.85	567202	10.10	1135419	12.33	1437991	16.70	1336844	18.93
ZZZZZZ	243905	6.46	890137	7.85	545077	10.10	1106368	12.33	1383169	16.70	1328146	18.93
ZZZZZZ	238806	6.46	870067	7.85	544171	10.10	1113857	12.33	1368489	16.69	1290205	18.93
ZZZZZZ	223461	6.46	794119	7.85	491005	10.10	975804	12.33	1270578	16.70	1233091	18.93
ZZZZZZ	239350	6.46	868506	7.85	540218	10.10	1078989	12.33	1391912	16.69	1320862	18.93
ZZZZZZ	240755	6.46	889671	7.85	547295	10.10	1103041	12.33	1392922	16.69	1344949	18.93
ZZZZZZ	227052	6.46	833116	7.85	519157	10.10	1037197	12.33	1320551	16.69	1309410	18.93
ZZZZZZ	239548	6.46	892485	7.85	556313	10.10	1105013	12.33	1334489	16.69	1339377	18.93
ZZZZZZ	235148	6.46	856670	7.85	531016	10.10	1061584	12.33	1330222	16.69	1331746	18.93
OP25072-MB	231827	6.46	843519	7.85	522007	10.10	1052248	12.33	1268515	16.69	1309906	18.93
OP25072-BS	236291	6.46	838898	7.85	518656	10.10	1005729	12.33	1270436	16.70	1243743	18.93
MC537-18	248367	6.46	903268	7.85	571231	10.10	1150953	12.33	1369871	16.69	1428910	18.93

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Internal Standard Area Summary

Page 1 of 1

Job Number: MC537
Account: LEA Loureiro Eng. Associates
Project: PWCTEH: Willgoos Miscel Sampling

Check Std: MSS1032-CC1009	Injection Date: 06/01/11
Lab File ID: S24361.D	Injection Time: 10:29
Instrument ID: GCMSS	Method: SW846 8270C

	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Check Std	250839	6.46	887128	7.86	547385	10.10	1080765	12.33	1386803	16.70	1326733	18.93
Upper Limit ^a	501678	6.96	1774256	8.36	1094770	10.60	2161530	12.83	2773606	17.20	2653466	19.43
Lower Limit ^b	125420	5.96	443564	7.36	273693	9.60	540383	11.83	693402	16.20	663367	18.43

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
OP25072-LB	298574	6.46	1111230	7.86	708895	10.10	1443408	12.33	1642804	16.70	1622761	18.93
ZZZZZZ	367599	6.46	1359796	7.86	859198	10.10	1751070	12.33	2000778	16.70	1985462	18.93
ZZZZZZ	269902	6.46	1005714	7.86	623968	10.10	1284842	12.33	1520846	16.70	1558273	18.93
ZZZZZZ	362324	6.47	1370035	7.86	876809	10.10	1772628	12.33	2011821	16.70	2000495	18.93
ZZZZZZ	565334 ^c	6.47	2084010 ^c	7.86	1311582 ^c	10.11	2664537 ^c	12.33	2942288 ^c	16.70	2802847 ^c	18.93
ZZZZZZ	371269	6.47	1452319	7.86	889498	10.11	1749457	12.33	1954369	16.70	1813859	18.93
ZZZZZZ	290332	6.47	1137389	7.86	688995	10.11	1368663	12.33	1598531	16.70	1592303	18.93
ZZZZZZ	284711	6.47	1071531	7.86	663104	10.11	1363380	12.33	1570713	16.70	1542493	18.93

IS 1 = 1,4-Dichlorobenzene-d4

IS 2 = Naphthalene-d8

IS 3 = Acenaphthene-D10

IS 4 = Phenanthrene-d10

IS 5 = Chrysene-d12

IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.

(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

Semivolatile Internal Standard Area Summary

Page 1 of 1

Job Number: MC537
Account: LEA Loureiro Eng. Associates
Project: PWCTEH: Willgoos Misl Sampling

Check Std: MSS1040-CC1034	Injection Date: 06/08/11
Lab File ID: S24500.D	Injection Time: 10:32
Instrument ID: GCMSS	Method: SW846 8270C

	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
Check Std	246843	6.45	875714	7.83	536397	10.08	1067696	12.30	1394953	16.67	1425805	18.90
Upper Limit ^a	493686	6.95	1751428	8.33	1072794	10.58	2135392	12.80	2789906	17.17	2851610	19.40
Lower Limit ^b	123422	5.95	437857	7.33	268199	9.58	533848	11.80	697477	16.17	712903	18.40

Lab Sample ID	IS 1		IS 2		IS 3		IS 4		IS 5		IS 6	
	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT	AREA	RT
ZZZZZZ	221773	6.45	780806	7.83	483085	10.08	917417	12.30	1185367	16.66	1234153	18.89
OP25158-MB	205992	6.45	762248	7.83	473929	10.07	959400	12.30	1197386	16.66	1210858	18.89
OP25158-BS	292049	6.45	1022105	7.83	638776	10.08	1236695	12.30	1592228	16.67	1600481	18.90
OP25158-LB	237408	6.45	877110	7.83	548181	10.07	1103405	12.30	1355843	16.66	1340280	18.90
MC537-18	238849	6.45	869875	7.83	543809	10.07	1076562	12.30	1344086	16.66	1332252	18.90

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.

(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Semivolatile Surrogate Recovery Summary

Page 1 of 1

Job Number: MC537

Account: LEA Loureiro Eng. Associates

Project: PWCTEH: Willgoos Misl Sampling

Method: SW846 8270C

Matrix: LEACHATE

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
MC537-18	S24508.D	71.0	59.0	80.0	71.0	71.0	81.0
MC537-18	S24359.D	0.0* a	0.0* a	0.0* a	73.0	72.0	85.0
OP25072-BS	S24358.D	65.0	43.0	132.0* b	81.0	72.0	93.0
OP25072-LB	S24362.D	16.0	54.0	22.0	74.0	70.0	91.0
OP25072-MB	S24357.D	51.0	32.0	109.0	69.0	66.0	86.0
OP25158-BS	S24505.D	52.0	34.0	84.0	70.0	66.0	79.0
OP25158-LB	S24507.D	49.0	30.0	76.0	67.0	66.0	80.0
OP25158-MB	S24504.D	47.0	28.0	72.0	67.0	66.0	77.0

Surrogate Compounds

Recovery Limits

S1 = 2-Fluorophenol	15-110%
S2 = Phenol-d5	15-110%
S3 = 2,4,6-Tribromophenol	15-110%
S4 = Nitrobenzene-d5	30-130%
S5 = 2-Fluorobiphenyl	30-130%
S6 = Terphenyl-d14	30-130%

(a) Outside control limits due to possible spiking error. Sample re-extracted/reanalyzed.

(b) Outside control limits. Individual spike recoveries within acceptance limits.

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries

Method Blank Summary

Page 1 of 1

Job Number: MC537
Account: LEA Loureiro Eng. Associates
Project: PWCTEH: Willgoos Misc Sampling

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP25070-MB	BE26437.D	1	05/31/11	AP	05/27/11	OP25070	GBE1503

The QC reported here applies to the following samples:

Method: SW846 8082

MC537-1, MC537-2, MC537-3, MC537-4, MC537-5, MC537-6, MC537-7, MC537-8, MC537-9, MC537-10, MC537-11, MC537-12, MC537-13, MC537-14, MC537-15, MC537-16, MC537-17

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	99	ug/kg	
11104-28-2	Aroclor 1221	ND	99	ug/kg	
11141-16-5	Aroclor 1232	ND	99	ug/kg	
53469-21-9	Aroclor 1242	ND	99	ug/kg	
12672-29-6	Aroclor 1248	ND	99	ug/kg	
11097-69-1	Aroclor 1254	ND	99	ug/kg	
11096-82-5	Aroclor 1260	ND	99	ug/kg	
37324-23-5	Aroclor 1262	ND	99	ug/kg	
11100-14-4	Aroclor 1268	ND	99	ug/kg	

CAS No.	Surrogate Recoveries	Limits
877-09-8	Tetrachloro-m-xylene	113% 30-150%
877-09-8	Tetrachloro-m-xylene	110% 30-150%
2051-24-3	Decachlorobiphenyl	111% 30-150%
2051-24-3	Decachlorobiphenyl	85% 30-150%

Blank Spike Summary

Page 1 of 1

Job Number: MC537

Account: LEA Loureiro Eng. Associates

Project: PWCTEH: Willgoos Misc Sampling

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP25070-BS	BE26438.D	1	05/31/11	AP	05/27/11	OP25070	GBE1503

The QC reported here applies to the following samples:

Method: SW846 8082

MC537-1, MC537-2, MC537-3, MC537-4, MC537-5, MC537-6, MC537-7, MC537-8, MC537-9, MC537-10, MC537-11, MC537-12, MC537-13, MC537-14, MC537-15, MC537-16, MC537-17

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
12674-11-2	Aroclor 1016	265	324	122	40-140
11104-28-2	Aroclor 1221		ND		40-140
11141-16-5	Aroclor 1232		ND		40-140
53469-21-9	Aroclor 1242		ND		40-140
12672-29-6	Aroclor 1248		ND		40-140
11097-69-1	Aroclor 1254		ND		40-140
11096-82-5	Aroclor 1260	265	340	128	40-140
37324-23-5	Aroclor 1262		ND		40-140
11100-14-4	Aroclor 1268		ND		40-140

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	111%	30-150%
877-09-8	Tetrachloro-m-xylene	113%	30-150%
2051-24-3	Decachlorobiphenyl	112%	30-150%
2051-24-3	Decachlorobiphenyl	92%	30-150%

Semivolatile Surrogate Recovery Summary

Page 1 of 1

Job Number: MC537

Account: LEA Loureiro Eng. Associates

Project: PWCTEH: Willgoos Misl Sampling

Method: SW846 8082

Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a	S1 ^b	S2 ^a	S2 ^b
MC537-1	BE26439.D	125.0	124.0	124.0	104.0
MC537-2	BE26440.D	131.0	130.0	125.0	114.0
MC537-3	BE26441.D	111.0	106.0	83.0	94.0
MC537-4	BE26493.D	98.0	115.0	100.0	102.0
MC537-5	BE26443.D	114.0	109.0	117.0	105.0
MC537-6	BE26494.D	118.0	118.0	103.0	104.0
MC537-7	BE26445.D	118.0	116.0	116.0	106.0
MC537-8	BE26446.D	116.0	115.0	128.0	116.0
MC537-9	BE26492.D	133.0	130.0	121.0	124.0
MC537-10	BE26449.D	135.0	126.0	141.0	133.0
MC537-11	BE26450.D	114.0	114.0	122.0	116.0
MC537-12	BE26495.D	127.0	127.0	113.0	115.0
MC537-13	BE26452.D	113.0	111.0	117.0	111.0
MC537-14	BE26453.D	105.0	105.0	108.0	103.0
MC537-15	BE26454.D	89.0	102.0	105.0	100.0
MC537-16	BE26455.D	136.0	134.0	140.0	136.0
MC537-17	BE26456.D	108.0	107.0	113.0	107.0
OP25070-BS	BE26438.D	111.0	113.0	112.0	92.0
OP25070-MB	BE26437.D	113.0	110.0	111.0	85.0

Surrogate Compounds

Recovery Limits

S1 = Tetrachloro-m-xylene

30-150%

S2 = Decachlorobiphenyl

30-150%

(a) Recovery from GC signal #1

(b) Recovery from GC signal #2

6.3.1

6



02/19/13

Technical Report for

Loureiro Eng. Associates

PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT
68PQ126

Accutest Job Number: MC7395

Sampling Date: 01/20/12

Report to:

Loureiro Eng. Associates

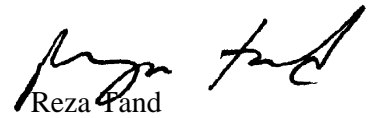
dcbrisson@loureiro.com

ATTN: David Brisson

Total number of pages in report: **65**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.


Reza Fand
Lab Director

Client Service contact: Frank DAgostino 508-481-6200

Certifications: MA (M-MA136, SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579)
NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220)
ISO 17025:2005 (L2235)

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Test results relate only to samples analyzed.

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Sample Summary

Loureiro Eng. Associates

Job No: MC7395

PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT

Project No: 68PQ126

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
MC7395-1	01/20/12	12:00 NSE	01/20/12	SO	Solid	1248827
MC7395-2	01/20/12	12:03 NSE	01/20/12	SO	Solid	1248828
MC7395-3	01/20/12	12:07 NSE	01/20/12	SO	Solid	1248829
MC7395-4	01/20/12	12:11 NSE	01/20/12	SO	Solid	1248830
MC7395-5	01/20/12	12:15 NSE	01/20/12	SO	Solid	1248831
MC7395-6	01/20/12	12:19 NSE	01/20/12	SO	Solid	1248832
MC7395-7	01/20/12	12:20 NSE	01/20/12	SO	Solid	1248833
MC7395-8	01/20/12	12:25 NSE	01/20/12	SO	Solid	1248834
MC7395-9	01/20/12	12:29 NSE	01/20/12	SO	Solid	1248835
MC7395-10	01/20/12	12:32 NSE	01/20/12	SO	Solid	1248836
MC7395-11	01/20/12	12:36 NSE	01/20/12	SO	Solid	1248837
MC7395-12	01/20/12	12:40 NSE	01/20/12	SO	Solid	1248838
MC7395-13	01/20/12	12:43 NSE	01/20/12	SO	Solid	1248839

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary

(continued)

Loureiro Eng. Associates

Job No: MC7395

PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT

Project No: 68PQ126

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
MC7395-14	01/20/12	12:45 NSE	01/20/12	SO	Solid	1248840
MC7395-15	01/20/12	12:50 NSE	01/20/12	SO	Solid	1248841
MC7395-16	01/20/12	12:54 NSE	01/20/12	SO	Solid	1248842
MC7395-17	01/20/12	12:57 NSE	01/20/12	SO	Solid	1248843
MC7395-18	01/20/12	13:04 NSE	01/20/12	SO	Solid	1248844
MC7395-19	01/20/12	13:10 NSE	01/20/12	SO	Solid	1248845
MC7395-20	01/20/12	13:14 NSE	01/20/12	SO	Solid	1248846
MC7395-21	01/20/12	13:19 NSE	01/20/12	SO	Solid	1248847
MC7395-22	01/20/12	13:25 NSE	01/20/12	SO	Solid	1248848
MC7395-23	01/20/12	13:30 NSE	01/20/12	SO	Solid	1248849
MC7395-24	01/20/12	13:34 NSE	01/20/12	SO	Solid	1248850
MC7395-25	01/20/12	13:41 NSE	01/20/12	SO	Solid	1248851
MC7395-26	01/20/12	13:47 NSE	01/20/12	SO	Solid	1248852

 Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary

(continued)

Loureiro Eng. Associates

Job No: MC7395

PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT

Project No: 68PQ126

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
MC7395-27	01/20/12	13:51 NSE	01/20/12	SO	Solid	1248853
MC7395-28	01/20/12	14:00 NSE	01/20/12	SO	Solid	1248854
MC7395-29	01/20/12	14:06 NSE	01/20/12	SO	Solid	1248855
MC7395-30	01/20/12	14:11 NSE	01/20/12	SO	Solid	1249109
MC7395-31	01/20/12	14:16 NSE	01/20/12	SO	Solid	1249110
MC7395-32	01/20/12	14:20 NSE	01/20/12	SO	Solid	1249111
MC7395-33	01/20/12	14:24 NSE	01/20/12	SO	Solid	1249112
MC7395-34	01/20/12	14:30 NSE	01/20/12	SO	Solid	1249113
MC7395-35	01/20/12	14:37 NSE	01/20/12	SO	Solid	1249114
MC7395-36	01/20/12	14:44 NSE	01/20/12	SO	Solid	1249115
MC7395-37	01/20/12	14:50 NSE	01/20/12	SO	Solid	1249116
MC7395-38	01/20/12	15:01 NSE	01/20/12	SO	Solid	1249117
MC7395-39	01/20/12	15:07 NSE	01/20/12	SO	Solid	1249118

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary

(continued)

Loureiro Eng. Associates

Job No: MC7395

PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT

Project No: 68PQ126

Sample Number	Collected		Matrix Code	Type	Client	
	Date	Time By	Received		Sample ID	
MC7395-40	01/20/12	15:11 NSE	01/20/12	SO	Solid	1249119
MC7395-41	01/20/12	15:14 NSE	01/20/12	SO	Solid	1249120
MC7395-42	01/20/12	15:30 NSE	01/20/12	SO	Solid	1249121
MC7395-43	01/20/12	15:37 NSE	01/20/12	SO	Solid	1249122

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Loureiro Eng. Associates

Job No MC7395

Site: PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartfor

Report Date 1/30/2012 1:27:07 PM

43 Sample(s) were collected on 01/20/2012 and were received at Accutest on 01/20/2012 properly preserved, at 1.1 Deg. C and intact. These Samples received an Accutest job number of MC7395. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Extractables by GC By Method SW846 8082

Matrix: SO

Batch ID: OP27674

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC7395-4, MC7395-8 have compounds reported with "E" qualifiers indicating estimated value exceeding calibration range. Estimated value due to the presence of other Arochlor pattern.
- MC7395-1 to -6, -8, -10, -13, -14, -15, -17 to -20 for Tetrachloro-m-xylene, Decachlorobiphenyl: Outside control limits due to dilution.
- MC7395-7, -9, to -12 for Aroclor 1260: Estimated value due to the presence of other Arochlor pattern.
- MC7395-13, -14, -15, -17 to -20 for Aroclor 1254: Estimated value due to the presence of other Arochlor pattern.

Matrix: SO

Batch ID: OP27686

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC7395-23 have compounds reported with "E" qualifiers indicating estimated value exceeding calibration range. Estimated value due to the presence of other Arochlor pattern.
- MC7395-22, -23, -25 to -29 for Tetrachloro-m-xylene: Outside control limits due to possible matrix interference.
- MC7395-24, -28 for Decachlorobiphenyl: Outside control limits due to possible matrix interference.
- MC7395-21 to -35, -37 to -40 for Tetrachloro-m-xylene, Decachlorobiphenyl: Outside control limits due to dilution.
- MC7395-21, -22, -24 to -35 for Aroclor 1254: Estimated value due to the presence of other Arochlor pattern.
- MC7395-36, -37 for Aroclor 1260: Estimated value due to the presence of other Arochlor pattern.
- OP27686-BS for Tetrachloro-m-xylene: Outside control limits. Confirmed by reanalysis.

Matrix: SO

Batch ID: OP27687

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- MC7395-16 for Aroclor 1254: Estimated value due to the presence of other Arochlor pattern.
- MC7395-42 for Aroclor 1260: Estimated value due to the presence of other Arochlor pattern.
- MC7395-16, -41, -43 for Decachlorobiphenyl, Tetrachloro-m-xylene: Outside control limits due to dilution.
- MC7395-16 for Decachlorobiphenyl: Outside control limits due to possible matrix interference. Confirmed by re-extraction/reanalysis.

Wet Chemistry By Method SM21 2540 B MOD.**Matrix:** SO**Batch ID:** GN37626

- Sample(s) MC7395-14DUP were used as the QC samples for Solids, Percent.

Matrix: SO**Batch ID:** GN37628

- Sample(s) MC7395-40DUP were used as the QC samples for Solids, Percent.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety. The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report (MC7395).

Summary of Hits

Page 1 of 5

Job Number: MC7395

Account: Loureiro Eng. Associates

Project: PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT

Collected: 01/20/12

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC7395-1	1248827					
Aroclor 1254		195000	59000		ug/kg	SW846 8082
MC7395-2	1248828					
Aroclor 1254		1690000	280000		ug/kg	SW846 8082
MC7395-3	1248829					
Aroclor 1254		540000	300000		ug/kg	SW846 8082
MC7395-4	1248830					
Aroclor 1254		205000	57000		ug/kg	SW846 8082
Aroclor 1260 ^a		11000 E	290		ug/kg	SW846 8082
MC7395-5	1248831					
Aroclor 1254		867000	290000		ug/kg	SW846 8082
MC7395-6	1248832					
Aroclor 1254		31900	14000		ug/kg	SW846 8082
MC7395-7	1248833					
Aroclor 1254		7280	2900		ug/kg	SW846 8082
Aroclor 1260 ^a		1370	290		ug/kg	SW846 8082
MC7395-8	1248834					
Aroclor 1254		17000	6000		ug/kg	SW846 8082
Aroclor 1260 ^a		2950 E	300		ug/kg	SW846 8082
MC7395-9	1248835					
Aroclor 1254		4320	1400		ug/kg	SW846 8082
Aroclor 1260 ^a		791	290		ug/kg	SW846 8082
MC7395-10	1248836					
Aroclor 1254		40000	12000		ug/kg	SW846 8082
Aroclor 1260 ^a		15400	12000		ug/kg	SW846 8082

Summary of Hits

Job Number: MC7395**Account:** Loureiro Eng. Associates**Project:** PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT**Collected:** 01/20/12

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC7395-11	1248837					
Aroclor 1254		1730	300		ug/kg	SW846 8082
Aroclor 1260 ^a		815	300		ug/kg	SW846 8082
MC7395-12	1248838					
Aroclor 1254		6010	1500		ug/kg	SW846 8082
Aroclor 1260 ^a		668	300		ug/kg	SW846 8082
MC7395-13	1248839					
Aroclor 1254 ^a		85500	30000		ug/kg	SW846 8082
Aroclor 1260		196000	30000		ug/kg	SW846 8082
MC7395-14	1248840					
Aroclor 1254 ^a		65700	28000		ug/kg	SW846 8082
Aroclor 1260		155000	28000		ug/kg	SW846 8082
MC7395-15	1248841					
Aroclor 1254 ^a		17300	12000		ug/kg	SW846 8082
Aroclor 1260		52600	12000		ug/kg	SW846 8082
MC7395-16	1248842					
Aroclor 1254 ^a		179000	110000		ug/kg	SW846 8082
Aroclor 1260		471000	110000		ug/kg	SW846 8082
MC7395-17	1248843					
Aroclor 1254 ^a		55300	29000		ug/kg	SW846 8082
Aroclor 1260		97600	29000		ug/kg	SW846 8082
MC7395-18	1248844					
Aroclor 1254 ^a		33000	15000		ug/kg	SW846 8082
Aroclor 1260		77400	15000		ug/kg	SW846 8082
MC7395-19	1248845					
Aroclor 1254 ^a		18300	12000		ug/kg	SW846 8082
Aroclor 1260		51200	12000		ug/kg	SW846 8082

Summary of Hits

Job Number: MC7395**Account:** Loureiro Eng. Associates**Project:** PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT**Collected:** 01/20/12

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC7395-20	1248846					
Aroclor 1254 ^a		25200	14000		ug/kg	SW846 8082
Aroclor 1260		76100	14000		ug/kg	SW846 8082
MC7395-21	1248847					
Aroclor 1254 ^a		28000	15000		ug/kg	SW846 8082
Aroclor 1260		113000	30000		ug/kg	SW846 8082
MC7395-22	1248848					
Aroclor 1254 ^a		30000	29000		ug/kg	SW846 8082
Aroclor 1260		82800	29000		ug/kg	SW846 8082
MC7395-23	1248849					
Aroclor 1254 ^a		84600 E	6100		ug/kg	SW846 8082
Aroclor 1260		327000	150000		ug/kg	SW846 8082
MC7395-24	1248850					
Aroclor 1254 ^a		408000	140000		ug/kg	SW846 8082
Aroclor 1260		1450000	1400000		ug/kg	SW846 8082
MC7395-25	1248851					
Aroclor 1254 ^a		17400	2900		ug/kg	SW846 8082
Aroclor 1260		103000	29000		ug/kg	SW846 8082
MC7395-26	1248852					
Aroclor 1254 ^a		76500	31000		ug/kg	SW846 8082
Aroclor 1260		356000	160000		ug/kg	SW846 8082
MC7395-27	1248853					
Aroclor 1260		398000	160000		ug/kg	SW846 8082
MC7395-28	1248854					
Aroclor 1254 ^a		324000	150000		ug/kg	SW846 8082
Aroclor 1260		1600000	1500000		ug/kg	SW846 8082

Summary of Hits

Job Number: MC7395**Account:** Loureiro Eng. Associates**Project:** PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT**Collected:** 01/20/12

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC7395-29	1248855					
Aroclor 1254 ^a		40000	16000		ug/kg	SW846 8082
Aroclor 1260		105000	16000		ug/kg	SW846 8082
MC7395-30	1249109					
Aroclor 1254 ^a		21200	6000		ug/kg	SW846 8082
Aroclor 1260		87100	30000		ug/kg	SW846 8082
MC7395-31	1249110					
Aroclor 1254 ^a		35200	30000		ug/kg	SW846 8082
Aroclor 1260		103000	30000		ug/kg	SW846 8082
MC7395-32	1249111					
Aroclor 1254 ^a		25400	16000		ug/kg	SW846 8082
Aroclor 1260		33700	16000		ug/kg	SW846 8082
MC7395-33	1249112					
Aroclor 1254 ^a		47600	30000		ug/kg	SW846 8082
Aroclor 1260		86500	30000		ug/kg	SW846 8082
MC7395-34	1249113					
Aroclor 1254 ^a		152000	78000		ug/kg	SW846 8082
Aroclor 1260		394000	78000		ug/kg	SW846 8082
MC7395-35	1249114					
Aroclor 1254 ^a		36400	14000		ug/kg	SW846 8082
Aroclor 1260		48700	14000		ug/kg	SW846 8082
MC7395-36	1249115					
Aroclor 1254		14000	2900		ug/kg	SW846 8082
Aroclor 1260 ^a		9000	2900		ug/kg	SW846 8082
MC7395-37	1249116					
Aroclor 1254		68600	15000		ug/kg	SW846 8082
Aroclor 1260 ^a		27700	15000		ug/kg	SW846 8082

Summary of Hits

Job Number: MC7395
Account: Loureiro Eng. Associates
Project: PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT
Collected: 01/20/12

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC7395-38	1249117					
Aroclor 1254		37000	12000		ug/kg	SW846 8082
MC7395-39	1249118					
Aroclor 1254		19000	5900		ug/kg	SW846 8082
MC7395-40	1249119					
Aroclor 1254		262000	61000		ug/kg	SW846 8082
MC7395-41	1249120					
Aroclor 1254		32700	12000		ug/kg	SW846 8082
MC7395-42	1249121					
Aroclor 1254		2640	1200		ug/kg	SW846 8082
Aroclor 1260 ^a		617	310		ug/kg	SW846 8082
MC7395-43	1249122					
Aroclor 1260		19900	5900		ug/kg	SW846 8082

(a) Estimated value due to the presence of other Arochlor pattern.

Sample Results

Report of Analysis

Report of Analysis

Page 1 of 1

Client Sample ID:	1248827	Date Sampled:	01/20/12
Lab Sample ID:	MC7395-1	Date Received:	01/20/12
Matrix:	SO - Solid	Percent Solids:	97.2
Method:	SW846 8082 SW846 3540C		
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71004.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71053.D	200	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.23 g	10.0 ml
Run #2	5.23 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254	195000 ^a	59000	ug/kg	
11096-82-5	Aroclor 1260	ND	300	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%	0% ^b	30-150%
877-09-8	Tetrachloro-m-xylene	89%	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	92%	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	92%	0% ^b	30-150%

(a) Result is from Run# 2

(b) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	1248828	Date Sampled:	01/20/12
Lab Sample ID:	MC7395-2	Date Received:	01/20/12
Matrix:	SO - Solid	Percent Solids:	97.2
Method:	SW846 8082 SW846 3540C		
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71005.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71054.D	1000	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.48 g	10.0 ml
Run #2	5.48 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	280	ug/kg	
11104-28-2	Aroclor 1221	ND	280	ug/kg	
11141-16-5	Aroclor 1232	ND	280	ug/kg	
53469-21-9	Aroclor 1242	ND	280	ug/kg	
12672-29-6	Aroclor 1248	ND	280	ug/kg	
11097-69-1	Aroclor 1254	1690000 a	280000	ug/kg	
11096-82-5	Aroclor 1260	ND	280	ug/kg	
37324-23-5	Aroclor 1262	ND	280	ug/kg	
11100-14-4	Aroclor 1268	ND	280	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%	0% b	30-150%
877-09-8	Tetrachloro-m-xylene	96%	0% b	30-150%
2051-24-3	Decachlorobiphenyl	95%	0% b	30-150%
2051-24-3	Decachlorobiphenyl	93%	0% b	30-150%

(a) Result is from Run# 2

(b) Outside control limits due to dilution.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	1248829	Date Sampled:	01/20/12
Lab Sample ID:	MC7395-3	Date Received:	01/20/12
Matrix:	SO - Solid	Percent Solids:	97.7
Method:	SW846 8082 SW846 3540C		
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71006.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71055.D	1000	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.15 g	10.0 ml
Run #2	5.15 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254	540000 ^a	300000	ug/kg	
11096-82-5	Aroclor 1260	ND	300	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	94%	0% ^b	30-150%
877-09-8	Tetrachloro-m-xylene	89%	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	100%	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	81%	0% ^b	30-150%

(a) Result is from Run# 2

(b) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1248830	Date Sampled:	01/20/12
Lab Sample ID:	MC7395-4	Date Received:	01/20/12
Matrix:	SO - Solid	Percent Solids:	96.9
Method:	SW846 8082 SW846 3540C		
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71007.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71056.D	200	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.40 g	10.0 ml
Run #2	5.40 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254	205000 ^a	57000	ug/kg	
11096-82-5	Aroclor 1260 ^b	11000	290	ug/kg	E
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%	0% ^c	30-150%
877-09-8	Tetrachloro-m-xylene	83%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	84%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	78%	0% ^c	30-150%

(a) Result is from Run# 2

(b) Estimated value due to the presence of other Aroclor pattern.

(c) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1248831	Date Sampled:	01/20/12
Lab Sample ID:	MC7395-5	Date Received:	01/20/12
Matrix:	SO - Solid	Percent Solids:	97.0
Method:	SW846 8082 SW846 3540C		
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71008.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71058.D	1000	01/27/12	CZ	01/25/12	OP27674	GYZ6667

	Initial Weight	Final Volume
Run #1	5.27 g	10.0 ml
Run #2	5.27 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254	867000 ^a	290000	ug/kg	
11096-82-5	Aroclor 1260	ND	290	ug/kg	
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%	0% ^b	30-150%
877-09-8	Tetrachloro-m-xylene	87%	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	94%	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	89%	0% ^b	30-150%

(a) Result is from Run# 2

(b) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1248832	Date Sampled:	01/20/12
Lab Sample ID:	MC7395-6	Date Received:	01/20/12
Matrix:	SO - Solid	Percent Solids:	96.6
Method:	SW846 8082 SW846 3540C		
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71009.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71059.D	50	01/27/12	CZ	01/25/12	OP27674	GYZ6667

	Initial Weight	Final Volume
Run #1	5.50 g	10.0 ml
Run #2	5.50 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	280	ug/kg	
11104-28-2	Aroclor 1221	ND	280	ug/kg	
11141-16-5	Aroclor 1232	ND	280	ug/kg	
53469-21-9	Aroclor 1242	ND	280	ug/kg	
12672-29-6	Aroclor 1248	ND	280	ug/kg	
11097-69-1	Aroclor 1254	31900 ^a	14000	ug/kg	
11096-82-5	Aroclor 1260	ND	280	ug/kg	
37324-23-5	Aroclor 1262	ND	280	ug/kg	
11100-14-4	Aroclor 1268	ND	280	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%	0% ^b	30-150%
877-09-8	Tetrachloro-m-xylene	101%	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	107%	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	98%	0% ^b	30-150%

(a) Result is from Run# 2

(b) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1248833	Date Sampled:	01/20/12
Lab Sample ID:	MC7395-7	Date Received:	01/20/12
Matrix:	SO - Solid	Percent Solids:	95.9
Method:	SW846 8082 SW846 3540C		
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71010.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71036.D	10	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.31 g	10.0 ml
Run #2	5.31 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254	7280 ^a	2900	ug/kg	
11096-82-5	Aroclor 1260 ^b	1370	290	ug/kg	
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%	104%	30-150%
877-09-8	Tetrachloro-m-xylene	89%	104%	30-150%
2051-24-3	Decachlorobiphenyl	95%	122%	30-150%
2051-24-3	Decachlorobiphenyl	91%	116%	30-150%

(a) Result is from Run# 2

(b) Estimated value due to the presence of other Aroclor pattern.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1248834	Date Sampled:	01/20/12
Lab Sample ID:	MC7395-8	Date Received:	01/20/12
Matrix:	SO - Solid	Percent Solids:	95.3
Method:	SW846 8082 SW846 3540C		
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71011.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71037.D	20	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.26 g	10.0 ml
Run #2	5.26 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254	17000 ^a	6000	ug/kg	
11096-82-5	Aroclor 1260 ^b	2950	300	ug/kg	E
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	107%	0% ^c	30-150%
877-09-8	Tetrachloro-m-xylene	104%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	109%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	107%	0% ^c	30-150%

(a) Result is from Run# 2

(b) Estimated value due to the presence of other Aroclor pattern.

(c) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1248835	
Lab Sample ID:	MC7395-9	Date Sampled: 01/20/12
Matrix:	SO - Solid	Date Received: 01/20/12
Method:	SW846 8082 SW846 3540C	Percent Solids: 94.7
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71038.D	1	01/27/12	CZ	01/25/12	OP27674	GYZ6666
Run #2	YZ71039.D	5	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.47 g	10.0 ml
Run #2	5.47 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254	4320 ^a	1400	ug/kg	
11096-82-5	Aroclor 1260 ^b	791	290	ug/kg	
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	107%	102%	30-150%
877-09-8	Tetrachloro-m-xylene	103%	92%	30-150%
2051-24-3	Decachlorobiphenyl	102%	110%	30-150%
2051-24-3	Decachlorobiphenyl	105%	109%	30-150%

(a) Result is from Run# 2

(b) Estimated value due to the presence of other Aroclor pattern.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	1248836	Date Sampled:	01/20/12
Lab Sample ID:	MC7395-10	Date Received:	01/20/12
Matrix:	SO - Solid	Percent Solids:	96.0
Method:	SW846 8082 SW846 3540C		
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71014.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71040.D	40	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.20 g	10.0 ml
Run #2	5.20 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254	40000 ^a	12000	ug/kg	
11096-82-5	Aroclor 1260 ^b	15400 ^a	12000	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	104%	0% ^c	30-150%
877-09-8	Tetrachloro-m-xylene	90%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	99%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	101%	0% ^c	30-150%

(a) Result is from Run# 2

(b) Estimated value due to the presence of other Aroclor pattern.

(c) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1248837	Date Sampled:	01/20/12
Lab Sample ID:	MC7395-11	Date Received:	01/20/12
Matrix:	SO - Solid	Percent Solids:	94.7
Method:	SW846 8082 SW846 3540C		
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71015.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71041.D	1	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.24 g	10.0 ml
Run #2	5.24 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254	1730 ^a	300	ug/kg	
11096-82-5	Aroclor 1260 ^b	815 ^a	300	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%	93%	30-150%
877-09-8	Tetrachloro-m-xylene	77%	87%	30-150%
2051-24-3	Decachlorobiphenyl	83%	91%	30-150%
2051-24-3	Decachlorobiphenyl	84%	92%	30-150%

(a) Result is from Run# 2

(b) Estimated value due to the presence of other Aroclor pattern.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	1248838	
Lab Sample ID:	MC7395-12	Date Sampled: 01/20/12
Matrix:	SO - Solid	Date Received: 01/20/12
Method:	SW846 8082 SW846 3540C	Percent Solids: 96.1
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK9524.D	1	01/29/12	AP	01/25/12	OP27674	GBK382
Run #2	YZ71042.D	5	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.17 g	10.0 ml
Run #2	5.17 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254	6010 ^a	1500	ug/kg	
11096-82-5	Aroclor 1260 ^b	668	300	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%	117%	30-150%
877-09-8	Tetrachloro-m-xylene	129%	115%	30-150%
2051-24-3	Decachlorobiphenyl	95%	123%	30-150%
2051-24-3	Decachlorobiphenyl	95%	124%	30-150%

(a) Result is from Run# 2

(b) Estimated value due to the presence of other Aroclor pattern.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1248839	Date Sampled:	01/20/12
Lab Sample ID:	MC7395-13	Date Received:	01/20/12
Matrix:	SO - Solid	Percent Solids:	96.5
Method:	SW846 8082 SW846 3540C		
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71017.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71043.D	100	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.18 g	10.0 ml
Run #2	5.18 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254 ^a	85500 ^b	30000	ug/kg	
11096-82-5	Aroclor 1260	196000 ^b	30000	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%	0% ^c	30-150%
877-09-8	Tetrachloro-m-xylene	82%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	126%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	121%	0% ^c	30-150%

(a) Estimated value due to the presence of other Aroclor pattern.

(b) Result is from Run# 2

(c) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1248840	
Lab Sample ID:	MC7395-14	Date Sampled: 01/20/12
Matrix:	SO - Solid	Date Received: 01/20/12
Method:	SW846 8082 SW846 3540C	Percent Solids: 96.6
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71018.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71044.D	100	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.50 g	10.0 ml
Run #2	5.50 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	280	ug/kg	
11104-28-2	Aroclor 1221	ND	280	ug/kg	
11141-16-5	Aroclor 1232	ND	280	ug/kg	
53469-21-9	Aroclor 1242	ND	280	ug/kg	
12672-29-6	Aroclor 1248	ND	280	ug/kg	
11097-69-1	Aroclor 1254 ^a	65700 ^b	28000	ug/kg	
11096-82-5	Aroclor 1260	155000 ^b	28000	ug/kg	
37324-23-5	Aroclor 1262	ND	280	ug/kg	
11100-14-4	Aroclor 1268	ND	280	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%	0% ^c	30-150%
877-09-8	Tetrachloro-m-xylene	88%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	95%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	92%	0% ^c	30-150%

(a) Estimated value due to the presence of other Aroclor pattern.

(b) Result is from Run# 2

(c) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1248841	
Lab Sample ID:	MC7395-15	Date Sampled: 01/20/12
Matrix:	SO - Solid	Date Received: 01/20/12
Method:	SW846 8082 SW846 3540C	Percent Solids: 96.2
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71019.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71045.D	40	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.34 g	10.0 ml
Run #2	5.34 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254 ^a	17300 ^b	12000	ug/kg	
11096-82-5	Aroclor 1260	52600 ^b	12000	ug/kg	
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%	0% ^c	30-150%
877-09-8	Tetrachloro-m-xylene	74%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	89%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	89%	0% ^c	30-150%

(a) Estimated value due to the presence of other Aroclor pattern.

(b) Result is from Run# 2

(c) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1248842	Date Sampled:	01/20/12
Lab Sample ID:	MC7395-16	Date Received:	01/20/12
Matrix:	SO - Solid	Percent Solids:	95.6
Method:	SW846 8082 SW846 3540C		
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71092.D	1	01/28/12	CZ	01/27/12	OP27687	GYZ6668
Run #2	YZ71093.D	400	01/28/12	CZ	01/27/12	OP27687	GYZ6668

	Initial Weight	Final Volume
Run #1	5.51 g	10.0 ml
Run #2	5.51 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	280	ug/kg	
11104-28-2	Aroclor 1221	ND	280	ug/kg	
11141-16-5	Aroclor 1232	ND	280	ug/kg	
53469-21-9	Aroclor 1242	ND	280	ug/kg	
12672-29-6	Aroclor 1248	ND	280	ug/kg	
11097-69-1	Aroclor 1254 ^a	179000 ^b	110000	ug/kg	
11096-82-5	Aroclor 1260	471000 ^b	110000	ug/kg	
37324-23-5	Aroclor 1262	ND	280	ug/kg	
11100-14-4	Aroclor 1268	ND	280	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	118%	0% ^c	30-150%
877-09-8	Tetrachloro-m-xylene	121%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	180% ^d	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	182% ^d	0% ^c	30-150%

(a) Estimated value due to the presence of other Aroclor pattern.

(b) Result is from Run# 2

(c) Outside control limits due to dilution.

(d) Outside control limits due to possible matrix interference. Confirmed by re-extraction/reanalysis.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1248843	
Lab Sample ID:	MC7395-17	Date Sampled: 01/20/12
Matrix:	SO - Solid	Date Received: 01/20/12
Method:	SW846 8082 SW846 3540C	Percent Solids: 96.3
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71021.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71048.D	100	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.37 g	10.0 ml
Run #2	5.37 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254 ^a	55300 ^b	29000	ug/kg	
11096-82-5	Aroclor 1260	97600 ^b	29000	ug/kg	
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	97%	0% ^c	30-150%
877-09-8	Tetrachloro-m-xylene	97%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	101%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	102%	0% ^c	30-150%

(a) Estimated value due to the presence of other Aroclor pattern.

(b) Result is from Run# 2

(c) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1248844	Date Sampled:	01/20/12
Lab Sample ID:	MC7395-18	Date Received:	01/20/12
Matrix:	SO - Solid	Percent Solids:	96.3
Method:	SW846 8082 SW846 3540C		
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71022.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71049.D	50	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.06 g	10.0 ml
Run #2	5.06 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	310	ug/kg	
11104-28-2	Aroclor 1221	ND	310	ug/kg	
11141-16-5	Aroclor 1232	ND	310	ug/kg	
53469-21-9	Aroclor 1242	ND	310	ug/kg	
12672-29-6	Aroclor 1248	ND	310	ug/kg	
11097-69-1	Aroclor 1254 ^a	33000 ^b	15000	ug/kg	
11096-82-5	Aroclor 1260	77400 ^b	15000	ug/kg	
37324-23-5	Aroclor 1262	ND	310	ug/kg	
11100-14-4	Aroclor 1268	ND	310	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%	0% ^c	30-150%
877-09-8	Tetrachloro-m-xylene	98%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	103%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	105%	0% ^c	30-150%

(a) Estimated value due to the presence of other Aroclor pattern.

(b) Result is from Run# 2

(c) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1248845	Date Sampled:	01/20/12
Lab Sample ID:	MC7395-19	Date Received:	01/20/12
Matrix:	SO - Solid	Percent Solids:	95.1
Method:	SW846 8082 SW846 3540C		
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71024.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71050.D	40	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.20 g	10.0 ml
Run #2	5.20 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254 ^a	18300 ^b	12000	ug/kg	
11096-82-5	Aroclor 1260	51200 ^b	12000	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%	0% ^c	30-150%
877-09-8	Tetrachloro-m-xylene	87%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	103%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	130%	0% ^c	30-150%

(a) Estimated value due to the presence of other Aroclor pattern.

(b) Result is from Run# 2

(c) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1248846	Date Sampled:	01/20/12
Lab Sample ID:	MC7395-20	Date Received:	01/20/12
Matrix:	SO - Solid	Percent Solids:	95.5
Method:	SW846 8082 SW846 3540C		
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71025.D	1	01/26/12	CZ	01/25/12	OP27674	GYZ6665
Run #2	YZ71051.D	50	01/27/12	CZ	01/25/12	OP27674	GYZ6666

	Initial Weight	Final Volume
Run #1	5.44 g	10.0 ml
Run #2	5.44 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254 ^a	25200 ^b	14000	ug/kg	
11096-82-5	Aroclor 1260	76100 ^b	14000	ug/kg	
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	99%	0% ^c	30-150%
877-09-8	Tetrachloro-m-xylene	97%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	103%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	109%	0% ^c	30-150%

(a) Estimated value due to the presence of other Aroclor pattern.

(b) Result is from Run# 2

(c) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1248847	Date Sampled:	01/20/12
Lab Sample ID:	MC7395-21	Date Received:	01/20/12
Matrix:	SO - Solid	Percent Solids:	94.1
Method:	SW846 8082 SW846 3540C		
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK9457.D	1	01/27/12	AP	01/26/12	OP27686	GBK380
Run #2	BK9481.D	50	01/28/12	AP	01/26/12	OP27686	GBK381
Run #3	BK9482.D	100	01/28/12	AP	01/26/12	OP27686	GBK381

	Initial Weight	Final Volume
Run #1	5.23 g	10.0 ml
Run #2	5.23 g	10.0 ml
Run #3	5.23 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254 ^a	28000 ^b	15000	ug/kg	
11096-82-5	Aroclor 1260	113000 ^c	30000	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
877-09-8	Tetrachloro-m-xylene	83%	0% ^d	0% ^d	30-150%
877-09-8	Tetrachloro-m-xylene	94%	0% ^d	0% ^d	30-150%
2051-24-3	Decachlorobiphenyl	116%	0% ^d	0% ^d	30-150%
2051-24-3	Decachlorobiphenyl	107%	0% ^d	0% ^d	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.

(b) Result is from Run# 2

(c) Result is from Run# 3

(d) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1248848	
Lab Sample ID:	MC7395-22	Date Sampled: 01/20/12
Matrix:	SO - Solid	Date Received: 01/20/12
Method:	SW846 8082 SW846 3540C	Percent Solids: 97.1
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK9459.D	1	01/27/12	AP	01/26/12	OP27686	GBK380
Run #2	BK9483.D	100	01/28/12	AP	01/26/12	OP27686	GBK381

	Initial Weight	Final Volume
Run #1	5.27 g	10.0 ml
Run #2	5.27 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254 ^a	30000 ^b	29000	ug/kg	
11096-82-5	Aroclor 1260	82800 ^b	29000	ug/kg	
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	9% ^d	0% ^c	30-150%
877-09-8	Tetrachloro-m-xylene	85%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	117%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	107%	0% ^c	30-150%

(a) Estimated value due to the presence of other Aroclor pattern.

(b) Result is from Run# 2

(c) Outside control limits due to dilution.

(d) Outside control limits due to possible matrix interference.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1248849	Date Sampled:	01/20/12
Lab Sample ID:	MC7395-23	Date Received:	01/20/12
Matrix:	SO - Solid	Percent Solids:	96.5
Method:	SW846 8082 SW846 3540C		
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK9460.D	1	01/27/12	AP	01/26/12	OP27686	GBK380
Run #2	BK9485.D	20	01/28/12	AP	01/26/12	OP27686	GBK381
Run #3	BK9486.D	500	01/28/12	AP	01/26/12	OP27686	GBK381

	Initial Weight	Final Volume
Run #1	5.10 g	10.0 ml
Run #2	5.10 g	10.0 ml
Run #3	5.10 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254 ^a	84600 ^b	6100	ug/kg	E
11096-82-5	Aroclor 1260	327000 ^c	150000	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
877-09-8	Tetrachloro-m-xylene	8% ^e	0% ^d	0% ^d	30-150%
877-09-8	Tetrachloro-m-xylene	79%	0% ^d	0% ^d	30-150%
2051-24-3	Decachlorobiphenyl	138%	0% ^d	0% ^d	30-150%
2051-24-3	Decachlorobiphenyl	122%	0% ^d	0% ^d	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.

(b) Result is from Run# 2

(c) Result is from Run# 3

(d) Outside control limits due to dilution.

(e) Outside control limits due to possible matrix interference.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1248850	Date Sampled:	01/20/12
Lab Sample ID:	MC7395-24	Date Received:	01/20/12
Matrix:	SO - Solid	Percent Solids:	96.5
Method:	SW846 8082 SW846 3540C		
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK9462.D	1	01/27/12	AP	01/26/12	OP27686	GBK380
Run #2	BK9487.D	500	01/28/12	AP	01/26/12	OP27686	GBK381
Run #3	BK9488.D	5000	01/28/12	AP	01/26/12	OP27686	GBK381

	Initial Weight	Final Volume
Run #1	5.61 g	10.0 ml
Run #2	5.61 g	10.0 ml
Run #3	5.61 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	280	ug/kg	
11104-28-2	Aroclor 1221	ND	280	ug/kg	
11141-16-5	Aroclor 1232	ND	280	ug/kg	
53469-21-9	Aroclor 1242	ND	280	ug/kg	
12672-29-6	Aroclor 1248	ND	280	ug/kg	
11097-69-1	Aroclor 1254 ^a	408000 ^b	140000	ug/kg	
11096-82-5	Aroclor 1260	1450000 ^c	1400000	ug/kg	
37324-23-5	Aroclor 1262	ND	280	ug/kg	
11100-14-4	Aroclor 1268	ND	280	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
877-09-8	Tetrachloro-m-xylene	67%	0% ^d	0% ^d	30-150%
877-09-8	Tetrachloro-m-xylene	87%	0% ^d	0% ^d	30-150%
2051-24-3	Decachlorobiphenyl	212% ^e	0% ^d	0% ^d	30-150%
2051-24-3	Decachlorobiphenyl	193% ^e	0% ^d	0% ^d	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.

(b) Result is from Run# 2

(c) Result is from Run# 3

(d) Outside control limits due to dilution.

(e) Outside control limits due to possible matrix interference.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1248851	Date Sampled:	01/20/12
Lab Sample ID:	MC7395-25	Date Received:	01/20/12
Matrix:	SO - Solid	Percent Solids:	95.8
Method:	SW846 8082 SW846 3540C		
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK9463.D	1	01/27/12	AP	01/26/12	OP27686	GBK380
Run #2	BK9489.D	10	01/28/12	AP	01/26/12	OP27686	GBK381
Run #3	BK9490.D	100	01/28/12	AP	01/26/12	OP27686	GBK381

	Initial Weight	Final Volume
Run #1	5.45 g	10.0 ml
Run #2	5.45 g	10.0 ml
Run #3	5.45 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254 ^a	17400 ^b	2900	ug/kg	
11096-82-5	Aroclor 1260	103000 ^c	29000	ug/kg	
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
877-09-8	Tetrachloro-m-xylene	8% ^d	6% ^d	0% ^e	30-150%
877-09-8	Tetrachloro-m-xylene	80%	90%	0% ^e	30-150%
2051-24-3	Decachlorobiphenyl	104%	141%	0% ^e	30-150%
2051-24-3	Decachlorobiphenyl	99%	120%	0% ^e	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.

(b) Result is from Run# 2

(c) Result is from Run# 3

(d) Outside control limits due to matrix interference. Confirmed by reanalysis.

(e) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1248852	
Lab Sample ID:	MC7395-26	Date Sampled: 01/20/12
Matrix:	SO - Solid	Date Received: 01/20/12
Method:	SW846 8082 SW846 3540C	Percent Solids: 95.6
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK9464.D	1	01/27/12	AP	01/26/12	OP27686	GBK380
Run #2	BK9492.D	100	01/28/12	AP	01/26/12	OP27686	GBK381
Run #3	BK9493.D	500	01/28/12	AP	01/26/12	OP27686	GBK381

	Initial Weight	Final Volume
Run #1	5.06 g	10.0 ml
Run #2	5.06 g	10.0 ml
Run #3	5.06 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	310	ug/kg	
11104-28-2	Aroclor 1221	ND	310	ug/kg	
11141-16-5	Aroclor 1232	ND	310	ug/kg	
53469-21-9	Aroclor 1242	ND	310	ug/kg	
12672-29-6	Aroclor 1248	ND	310	ug/kg	
11097-69-1	Aroclor 1254 ^a	76500 ^b	31000	ug/kg	
11096-82-5	Aroclor 1260	356000 ^c	160000	ug/kg	
37324-23-5	Aroclor 1262	ND	310	ug/kg	
11100-14-4	Aroclor 1268	ND	310	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
877-09-8	Tetrachloro-m-xylene	13% ^e	0% ^d	0% ^d	30-150%
877-09-8	Tetrachloro-m-xylene	78%	0% ^d	0% ^d	30-150%
2051-24-3	Decachlorobiphenyl	121%	0% ^d	0% ^d	30-150%
2051-24-3	Decachlorobiphenyl	100%	0% ^d	0% ^d	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.

(b) Result is from Run# 2

(c) Result is from Run# 3

(d) Outside control limits due to dilution.

(e) Outside control limits due to possible matrix interference.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1248853	Date Sampled:	01/20/12
Lab Sample ID:	MC7395-27	Date Received:	01/20/12
Matrix:	SO - Solid	Percent Solids:	94.0
Method:	SW846 8082 SW846 3540C		
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK9465.D	1	01/27/12	AP	01/26/12	OP27686	GBK380
Run #2	BK9494.D	100	01/28/12	AP	01/26/12	OP27686	GBK381
Run #3	BK9495.D	500	01/28/12	AP	01/26/12	OP27686	GBK381

	Initial Weight	Final Volume
Run #1	5.08 g	10.0 ml
Run #2	5.08 g	10.0 ml
Run #3	5.08 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	310	ug/kg	
11104-28-2	Aroclor 1221	ND	310	ug/kg	
11141-16-5	Aroclor 1232	ND	310	ug/kg	
53469-21-9	Aroclor 1242	ND	310	ug/kg	
12672-29-6	Aroclor 1248	ND	310	ug/kg	
11097-69-1	Aroclor 1254 ^a	12600 ^b	31000	ug/kg	
11096-82-5	Aroclor 1260	398000 ^c	160000	ug/kg	
37324-23-5	Aroclor 1262	ND	310	ug/kg	
11100-14-4	Aroclor 1268	ND	310	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
877-09-8	Tetrachloro-m-xylene	14% ^e	0% ^d	0% ^d	30-150%
877-09-8	Tetrachloro-m-xylene	99%	0% ^d	0% ^d	30-150%
2051-24-3	Decachlorobiphenyl	136%	0% ^d	0% ^d	30-150%
2051-24-3	Decachlorobiphenyl	119%	0% ^d	0% ^d	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.

(b) Result is from Run# 2

(c) Result is from Run# 3

(d) Outside control limits due to dilution.

(e) Outside control limits due to possible matrix interference.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1248854	Date Sampled:	01/20/12
Lab Sample ID:	MC7395-28	Date Received:	01/20/12
Matrix:	SO - Solid	Percent Solids:	93.9
Method:	SW846 8082 SW846 3540C		
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK9466.D	1	01/27/12	AP	01/26/12	OP27686	GBK380
Run #2	BK9496.D	500	01/28/12	AP	01/26/12	OP27686	GBK381
Run #3	BK9497.D	5000	01/28/12	AP	01/26/12	OP27686	GBK381

	Initial Weight	Final Volume
Run #1	5.24 g	10.0 ml
Run #2	5.24 g	10.0 ml
Run #3	5.24 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254 ^a	324000 ^b	150000	ug/kg	
11096-82-5	Aroclor 1260	1600000 ^c	1500000	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
877-09-8	Tetrachloro-m-xylene	10% ^e	0% ^d	0% ^d	30-150%
877-09-8	Tetrachloro-m-xylene	94%	0% ^d	0% ^d	30-150%
2051-24-3	Decachlorobiphenyl	203% ^e	0% ^d	0% ^d	30-150%
2051-24-3	Decachlorobiphenyl	177% ^e	0% ^d	0% ^d	30-150%

(a) Estimated value due to the presence of other Arochlor pattern.

(b) Result is from Run# 2

(c) Result is from Run# 3

(d) Outside control limits due to dilution.

(e) Outside control limits due to possible matrix interference.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1248855	Date Sampled:	01/20/12
Lab Sample ID:	MC7395-29	Date Received:	01/20/12
Matrix:	SO - Solid	Percent Solids:	94.2
Method:	SW846 8082 SW846 3540C		
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK9467.D	1	01/27/12	AP	01/26/12	OP27686	GBK380
Run #2	BK9498.D	50	01/28/12	AP	01/26/12	OP27686	GBK381

	Initial Weight	Final Volume
Run #1	5.06 g	10.0 ml
Run #2	5.06 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	310	ug/kg	
11104-28-2	Aroclor 1221	ND	310	ug/kg	
11141-16-5	Aroclor 1232	ND	310	ug/kg	
53469-21-9	Aroclor 1242	ND	310	ug/kg	
12672-29-6	Aroclor 1248	ND	310	ug/kg	
11097-69-1	Aroclor 1254 ^a	40000 ^b	16000	ug/kg	
11096-82-5	Aroclor 1260	105000 ^b	16000	ug/kg	
37324-23-5	Aroclor 1262	ND	310	ug/kg	
11100-14-4	Aroclor 1268	ND	310	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	9% ^d	0% ^c	30-150%
877-09-8	Tetrachloro-m-xylene	78%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	94%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	89%	0% ^c	30-150%

(a) Estimated value due to the presence of other Aroclor pattern.

(b) Result is from Run# 2

(c) Outside control limits due to dilution.

(d) Outside control limits due to possible matrix interference.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1249109	Date Sampled:	01/20/12
Lab Sample ID:	MC7395-30	Date Received:	01/20/12
Matrix:	SO - Solid	Percent Solids:	96.3
Method:	SW846 8082 SW846 3540C		
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BK9468.D	1	01/27/12	AP	01/26/12	OP27686	GBK380
Run #2	BK9499.D	20	01/28/12	AP	01/26/12	OP27686	GBK381
Run #3	BK9500.D	100	01/28/12	AP	01/26/12	OP27686	GBK381

	Initial Weight	Final Volume
Run #1	5.16 g	10.0 ml
Run #2	5.16 g	10.0 ml
Run #3	5.16 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254 ^a	21200 ^b	6000	ug/kg	
11096-82-5	Aroclor 1260	87100 ^c	30000	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
877-09-8	Tetrachloro-m-xylene	80%	0% ^d	0% ^d	30-150%
877-09-8	Tetrachloro-m-xylene	112%	0% ^d	0% ^d	30-150%
2051-24-3	Decachlorobiphenyl	89%	0% ^d	0% ^d	30-150%
2051-24-3	Decachlorobiphenyl	87%	0% ^d	0% ^d	30-150%

(a) Estimated value due to the presence of other Aroclor pattern.

(b) Result is from Run# 2

(c) Result is from Run# 3

(d) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1249110	
Lab Sample ID:	MC7395-31	Date Sampled: 01/20/12
Matrix:	SO - Solid	Date Received: 01/20/12
Method:	SW846 8082 SW846 3540C	Percent Solids: 95.0
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71060.D	1	01/27/12	CZ	01/26/12	OP27686	GYZ6667
Run #2	YZ71078.D	100	01/28/12	CZ	01/26/12	OP27686	GYZ6668

	Initial Weight	Final Volume
Run #1	5.21 g	10.0 ml
Run #2	5.21 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254 ^a	35200 ^b	30000	ug/kg	
11096-82-5	Aroclor 1260	103000 ^b	30000	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	109%	0% ^c	30-150%
877-09-8	Tetrachloro-m-xylene	100%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	114%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	114%	0% ^c	30-150%

(a) Estimated value due to the presence of other Aroclor pattern.

(b) Result is from Run# 2

(c) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1249111		
Lab Sample ID:	MC7395-32	Date Sampled:	01/20/12
Matrix:	SO - Solid	Date Received:	01/20/12
Method:	SW846 8082 SW846 3540C	Percent Solids:	93.9
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71061.D	1	01/27/12	CZ	01/26/12	OP27686	GYZ6667
Run #2	YZ71079.D	50	01/28/12	CZ	01/26/12	OP27686	GYZ6668

	Initial Weight	Final Volume
Run #1	5.13 g	10.0 ml
Run #2	5.13 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	310	ug/kg	
11104-28-2	Aroclor 1221	ND	310	ug/kg	
11141-16-5	Aroclor 1232	ND	310	ug/kg	
53469-21-9	Aroclor 1242	ND	310	ug/kg	
12672-29-6	Aroclor 1248	ND	310	ug/kg	
11097-69-1	Aroclor 1254 ^a	25400 ^b	16000	ug/kg	
11096-82-5	Aroclor 1260	33700 ^b	16000	ug/kg	
37324-23-5	Aroclor 1262	ND	310	ug/kg	
11100-14-4	Aroclor 1268	ND	310	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	126%	0% ^c	30-150%
877-09-8	Tetrachloro-m-xylene	120%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	117%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	118%	0% ^c	30-150%

(a) Estimated value due to the presence of other Aroclor pattern.

(b) Result is from Run# 2

(c) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1249112	Date Sampled:	01/20/12
Lab Sample ID:	MC7395-33	Date Received:	01/20/12
Matrix:	SO - Solid	Percent Solids:	95.1
Method:	SW846 8082 SW846 3540C		
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71062.D	1	01/27/12	CZ	01/26/12	OP27686	GYZ6667
Run #2	YZ71080.D	100	01/28/12	CZ	01/26/12	OP27686	GYZ6668

	Initial Weight	Final Volume
Run #1	5.33 g	10.0 ml
Run #2	5.33 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254 ^a	47600 ^b	30000	ug/kg	
11096-82-5	Aroclor 1260	86500 ^b	30000	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	121%	0% ^c	30-150%
877-09-8	Tetrachloro-m-xylene	111%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	121%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	117%	0% ^c	30-150%

(a) Estimated value due to the presence of other Aroclor pattern.

(b) Result is from Run# 2

(c) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	1249113	
Lab Sample ID:	MC7395-34	Date Sampled: 01/20/12
Matrix:	SO - Solid	Date Received: 01/20/12
Method:	SW846 8082 SW846 3540C	Percent Solids: 95.5
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71063.D	1	01/27/12	CZ	01/26/12	OP27686	GYZ6667
Run #2	YZ71081.D	250	01/28/12	CZ	01/26/12	OP27686	GYZ6668

	Initial Weight	Final Volume
Run #1	5.03 g	10.0 ml
Run #2	5.03 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	310	ug/kg	
11104-28-2	Aroclor 1221	ND	310	ug/kg	
11141-16-5	Aroclor 1232	ND	310	ug/kg	
53469-21-9	Aroclor 1242	ND	310	ug/kg	
12672-29-6	Aroclor 1248	ND	310	ug/kg	
11097-69-1	Aroclor 1254 ^a	152000 ^b	78000	ug/kg	
11096-82-5	Aroclor 1260	394000 ^b	78000	ug/kg	
37324-23-5	Aroclor 1262	ND	310	ug/kg	
11100-14-4	Aroclor 1268	ND	310	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%	0% ^c	30-150%
877-09-8	Tetrachloro-m-xylene	112%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	109%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	107%	0% ^c	30-150%

(a) Estimated value due to the presence of other Aroclor pattern.

(b) Result is from Run# 2

(c) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	1249114	
Lab Sample ID:	MC7395-35	Date Sampled: 01/20/12
Matrix:	SO - Solid	Date Received: 01/20/12
Method:	SW846 8082 SW846 3540C	Percent Solids: 95.3
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71064.D	1	01/27/12	CZ	01/26/12	OP27686	GYZ6667
Run #2	YZ71082.D	50	01/28/12	CZ	01/26/12	OP27686	GYZ6668

	Initial Weight	Final Volume
Run #1	5.57 g	10.0 ml
Run #2	5.57 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	280	ug/kg	
11104-28-2	Aroclor 1221	ND	280	ug/kg	
11141-16-5	Aroclor 1232	ND	280	ug/kg	
53469-21-9	Aroclor 1242	ND	280	ug/kg	
12672-29-6	Aroclor 1248	ND	280	ug/kg	
11097-69-1	Aroclor 1254 ^a	36400 ^b	14000	ug/kg	
11096-82-5	Aroclor 1260	48700 ^b	14000	ug/kg	
37324-23-5	Aroclor 1262	ND	280	ug/kg	
11100-14-4	Aroclor 1268	ND	280	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	94%	0% ^c	30-150%
877-09-8	Tetrachloro-m-xylene	97%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	111%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	106%	0% ^c	30-150%

(a) Estimated value due to the presence of other Aroclor pattern.

(b) Result is from Run# 2

(c) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	1249115	
Lab Sample ID:	MC7395-36	Date Sampled: 01/20/12
Matrix:	SO - Solid	Date Received: 01/20/12
Method:	SW846 8082 SW846 3540C	Percent Solids: 95.1
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71065.D	1	01/27/12	CZ	01/26/12	OP27686	GYZ6667
Run #2	YZ71083.D	10	01/28/12	CZ	01/26/12	OP27686	GYZ6668

	Initial Weight	Final Volume
Run #1	5.42 g	10.0 ml
Run #2	5.42 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254	14000 ^a	2900	ug/kg	
11096-82-5	Aroclor 1260 ^b	9000 ^a	2900	ug/kg	
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	109%	89%	30-150%
877-09-8	Tetrachloro-m-xylene	120%	91%	30-150%
2051-24-3	Decachlorobiphenyl	115%	121%	30-150%
2051-24-3	Decachlorobiphenyl	111%	124%	30-150%

(a) Result is from Run# 2

(b) Estimated value due to the presence of other Aroclor pattern.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	1249116	Date Sampled:	01/20/12
Lab Sample ID:	MC7395-37	Date Received:	01/20/12
Matrix:	SO - Solid	Percent Solids:	95.4
Method:	SW846 8082 SW846 3540C		
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71066.D	1	01/27/12	CZ	01/26/12	OP27686	GYZ6667
Run #2	YZ71084.D	50	01/28/12	CZ	01/26/12	OP27686	GYZ6668

	Initial Weight	Final Volume
Run #1	5.19 g	10.0 ml
Run #2	5.19 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254	68600 ^a	15000	ug/kg	
11096-82-5	Aroclor 1260 ^b	27700 ^a	15000	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%	0% ^c	30-150%
877-09-8	Tetrachloro-m-xylene	117%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	109%	0% ^c	30-150%
2051-24-3	Decachlorobiphenyl	108%	0% ^c	30-150%

(a) Result is from Run# 2

(b) Estimated value due to the presence of other Aroclor pattern.

(c) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	1249117	
Lab Sample ID:	MC7395-38	Date Sampled: 01/20/12
Matrix:	SO - Solid	Date Received: 01/20/12
Method:	SW846 8082 SW846 3540C	Percent Solids: 95.7
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71067.D	1	01/27/12	CZ	01/26/12	OP27686	GYZ6667
Run #2	YZ71085.D	40	01/28/12	CZ	01/26/12	OP27686	GYZ6668

	Initial Weight	Final Volume
Run #1	5.05 g	10.0 ml
Run #2	5.05 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	310	ug/kg	
11104-28-2	Aroclor 1221	ND	310	ug/kg	
11141-16-5	Aroclor 1232	ND	310	ug/kg	
53469-21-9	Aroclor 1242	ND	310	ug/kg	
12672-29-6	Aroclor 1248	ND	310	ug/kg	
11097-69-1	Aroclor 1254	37000 ^a	12000	ug/kg	
11096-82-5	Aroclor 1260	ND	310	ug/kg	
37324-23-5	Aroclor 1262	ND	310	ug/kg	
11100-14-4	Aroclor 1268	ND	310	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	117%	0% ^b	30-150%
877-09-8	Tetrachloro-m-xylene	114%	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	114%	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	114%	0% ^b	30-150%

(a) Result is from Run# 2

(b) Outside control limits due to dilution.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	1249118	Date Sampled:	01/20/12
Lab Sample ID:	MC7395-39	Date Received:	01/20/12
Matrix:	SO - Solid	Percent Solids:	95.7
Method:	SW846 8082 SW846 3540C		
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71069.D	1	01/27/12	CZ	01/26/12	OP27686	GYZ6667
Run #2	YZ71087.D	20	01/28/12	CZ	01/26/12	OP27686	GYZ6668

	Initial Weight	Final Volume
Run #1	5.35 g	10.0 ml
Run #2	5.35 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254	19000 ^a	5900	ug/kg	
11096-82-5	Aroclor 1260	ND	290	ug/kg	
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	79%	0% ^b	30-150%
877-09-8	Tetrachloro-m-xylene	72%	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	107%	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	107%	0% ^b	30-150%

(a) Result is from Run# 2

(b) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	1249119	
Lab Sample ID:	MC7395-40	Date Sampled: 01/20/12
Matrix:	SO - Solid	Date Received: 01/20/12
Method:	SW846 8082 SW846 3540C	Percent Solids: 93.9
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71070.D	1	01/27/12	CZ	01/26/12	OP27686	GYZ6667
Run #2	YZ71088.D	200	01/28/12	CZ	01/26/12	OP27686	GYZ6668

	Initial Weight	Final Volume
Run #1	5.25 g	10.0 ml
Run #2	5.25 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	300	ug/kg	
11104-28-2	Aroclor 1221	ND	300	ug/kg	
11141-16-5	Aroclor 1232	ND	300	ug/kg	
53469-21-9	Aroclor 1242	ND	300	ug/kg	
12672-29-6	Aroclor 1248	ND	300	ug/kg	
11097-69-1	Aroclor 1254	262000 ^a	61000	ug/kg	
11096-82-5	Aroclor 1260	ND	300	ug/kg	
37324-23-5	Aroclor 1262	ND	300	ug/kg	
11100-14-4	Aroclor 1268	ND	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%	0% ^b	30-150%
877-09-8	Tetrachloro-m-xylene	102%	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	114%	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	113%	0% ^b	30-150%

(a) Result is from Run# 2

(b) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	1249120	
Lab Sample ID:	MC7395-41	Date Sampled: 01/20/12
Matrix:	SO - Solid	Date Received: 01/20/12
Method:	SW846 8082 SW846 3540C	Percent Solids: 95.1
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71073.D	1	01/27/12	CZ	01/26/12	OP27687	GYZ6667
Run #2	YZ71089.D	40	01/28/12	CZ	01/26/12	OP27687	GYZ6668

	Initial Weight	Final Volume
Run #1	5.17 g	10.0 ml
Run #2	5.17 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	310	ug/kg	
11104-28-2	Aroclor 1221	ND	310	ug/kg	
11141-16-5	Aroclor 1232	ND	310	ug/kg	
53469-21-9	Aroclor 1242	ND	310	ug/kg	
12672-29-6	Aroclor 1248	ND	310	ug/kg	
11097-69-1	Aroclor 1254	32700 ^a	12000	ug/kg	
11096-82-5	Aroclor 1260	ND	310	ug/kg	
37324-23-5	Aroclor 1262	ND	310	ug/kg	
11100-14-4	Aroclor 1268	ND	310	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	114%	0% ^b	30-150%
877-09-8	Tetrachloro-m-xylene	111%	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	108%	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	110%	0% ^b	30-150%

(a) Result is from Run# 2

(b) Outside control limits due to dilution.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	1249121	
Lab Sample ID:	MC7395-42	Date Sampled: 01/20/12
Matrix:	SO - Solid	Date Received: 01/20/12
Method:	SW846 8082 SW846 3540C	Percent Solids: 96.1
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71074.D	1	01/27/12	CZ	01/26/12	OP27687	GYZ6667
Run #2	YZ71090.D	4	01/28/12	CZ	01/26/12	OP27687	GYZ6668

	Initial Weight	Final Volume
Run #1	5.08 g	10.0 ml
Run #2	5.08 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	310	ug/kg	
11104-28-2	Aroclor 1221	ND	310	ug/kg	
11141-16-5	Aroclor 1232	ND	310	ug/kg	
53469-21-9	Aroclor 1242	ND	310	ug/kg	
12672-29-6	Aroclor 1248	ND	310	ug/kg	
11097-69-1	Aroclor 1254	2640 ^a	1200	ug/kg	
11096-82-5	Aroclor 1260 ^b	617	310	ug/kg	
37324-23-5	Aroclor 1262	ND	310	ug/kg	
11100-14-4	Aroclor 1268	ND	310	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%	110%	30-150%
877-09-8	Tetrachloro-m-xylene	73%	116%	30-150%
2051-24-3	Decachlorobiphenyl	106%	117%	30-150%
2051-24-3	Decachlorobiphenyl	106%	120%	30-150%

(a) Result is from Run# 2

(b) Estimated value due to the presence of other Aroclor pattern.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	1249122	
Lab Sample ID:	MC7395-43	Date Sampled: 01/20/12
Matrix:	SO - Solid	Date Received: 01/20/12
Method:	SW846 8082 SW846 3540C	Percent Solids: 95.1
Project:	PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	YZ71075.D	1	01/27/12	CZ	01/26/12	OP27687	GYZ6667
Run #2	YZ71091.D	20	01/28/12	CZ	01/26/12	OP27687	GYZ6668

	Initial Weight	Final Volume
Run #1	5.38 g	10.0 ml
Run #2	5.38 g	10.0 ml

PCB List

CAS No.	Compound	Result	RL	Units	Q
12674-11-2	Aroclor 1016	ND	290	ug/kg	
11104-28-2	Aroclor 1221	ND	290	ug/kg	
11141-16-5	Aroclor 1232	ND	290	ug/kg	
53469-21-9	Aroclor 1242	ND	290	ug/kg	
12672-29-6	Aroclor 1248	ND	290	ug/kg	
11097-69-1	Aroclor 1254	ND	290	ug/kg	
11096-82-5	Aroclor 1260	19900 ^a	5900	ug/kg	
37324-23-5	Aroclor 1262	ND	290	ug/kg	
11100-14-4	Aroclor 1268	ND	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	111%	0% ^b	30-150%
877-09-8	Tetrachloro-m-xylene	102%	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	106%	0% ^b	30-150%
2051-24-3	Decachlorobiphenyl	101%	0% ^b	30-150%

(a) Result is from Run# 2

(b) Outside control limits due to dilution.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- RCP Form

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: MC7395

Client: LEA

Immediate Client Services Action Required: No

Date / Time Received: 1/20/2012

Delivery Method:

Client Service Action Required at Login: No

Project: WILGOOS

No. Coolers: 1

Airbill #'s:

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Cooler Temperature

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: | Infrared gun | |
| 3. Cooler media: | Ice (bag) | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Trip Blank listed on COC: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Samples preserved properly: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. VOCs headspace free: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 2. Bottles received for unspecified tests | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 3. Sufficient volume recvd for analysis: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. Compositing instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments

Accutest Laboratories
V:508.481.6200

495 Technology Center West, Bldg One
F: 508.481.7753

Marlborough, MA
www.accutest.com

MC7395: Chain of Custody

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Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

Laboratory Name: Accutest New England Client: Loureiro Eng. Associates

Project Location: PWCTEH: Willgoos Demo Assistance, One Reno Road, East Hartford, CT Project Number: 68PQ126

Sampling Date(s): 1/20/2012

Laboratory Sample ID(s): MC7395-1, MC7395-2, MC7395-3, MC7395-4, MC7395-5, MC7395-6, MC7395-7, MC7395-8, MC7395-9, MC7395-10, MC7395-11, MC7395-12, MC7395-13, MC7395-14, MC7395-15, MC7395-16, MC7395-17, MC7395-18, MC7395-19, MC7395-20, MC7395-21, MC7395-22, MC7395-23, MC7395-24, MC7395-25, MC7395-26, MC7395-27, MC7395-28, MC7395-29, MC7395-30, MC7395-31, MC7395-32, MC7395-33, MC7395-34, MC7395-35, MC7395-36, MC7395-37, MC7395-38, MC7395-39, MC7395-40, MC7395-41, MC7395-42, MC7395-43

Methods: SM21 2540 B MOD., SW846 8082

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1A	Where all the method specified preservation and holding time requirements met?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1B	VPH and EPH methods only: Was the VPH or EPH method conducted without significant modifications (See section 11.3 of respective methods)	Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/>
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
3	Were samples received at an appropriate temperature (<6° C)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
4	Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
5	a) Were reporting limits specified or referenced on the chain-of-custody?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	b) Were these reporting limits met?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized

Signature:

Position: Lab Director

Printed Name: Reza Tand
Accutest New England

Date: 1/30/2012

Report Date:
01-Apr-13 14:51



SPECTRUM ANALYTICAL, INC.

Featuring

HANIBAL TECHNOLOGY

Laboratory Report

- ☒ Final Report
☐ Re-Issued Report
☐ Revised Report

Loureiro Engineering Associates
100 Northwest Drive
Plainville, CT 06062
Attn: David Brisson

Project: Willgoos X-210 - East Hartford, CT
Project #: 68PO369

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SB66776-01	1267328	Concrete	28-Mar-13 00:00	28-Mar-13 15:43
SB66776-02	1267329	Concrete	28-Mar-13 00:00	28-Mar-13 15:43
SB66776-03	1267330	Concrete	28-Mar-13 00:00	28-Mar-13 15:43
SB66776-04	1267331	Concrete	28-Mar-13 00:00	28-Mar-13 15:43
SB66776-05	1267332	Concrete	28-Mar-13 00:00	28-Mar-13 15:43
SB66776-06	1267333	Concrete	28-Mar-13 00:00	28-Mar-13 15:43
SB66776-07	1267334	Concrete	28-Mar-13 00:00	28-Mar-13 15:43

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435



Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.

Please note that this report contains 13 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

**Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form**

Laboratory Name: Spectrum Analytical, Inc.

Client: Loureiro Engineering Associates - Plainville, CT

Project Location: Willgoos X-210 - East Hartford, CT

Project Number: 68PO369

Sampling Date(s):

3/28/2013

Laboratory Sample ID(s):

SB66776-01 through SB66776-07

RCP Methods Used:

SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	<i>VPH and EPH methods only:</i> Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	✓ Yes	No
5	a) Were reporting limits specified or referenced on the chain-of-custody? b) Were these reporting limits met?	Yes Yes	✓ No No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	✓ Yes	No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set?	✓ Yes	No

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence."

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for obtaining the information contained in this analytical report, such information is accurate and complete.



Nicole Leja
Laboratory Director
Date: 4/1/2013

CASE NARRATIVE:

The samples were received 4.0 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctafluorobiphenyl as the surrogate.

For this work order, the reporting limits have not been referenced or specified.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Identification

1267328

SB66776-01

Client Project #

68PO369

Matrix

Concrete

Collection Date/Time

28-Mar-13 00:00

Received

28-Mar-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 64.7		µg/kg dry	64.7	32.3	1	SW846 8082A	28-Mar-13	29-Mar-13	BLM	1306972	X
11104-28-2	Aroclor-1221	< 64.7		µg/kg dry	64.7	58.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 64.7		µg/kg dry	64.7	41.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 64.7		µg/kg dry	64.7	38.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 64.7		µg/kg dry	64.7	31.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 64.7		µg/kg dry	64.7	53.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	97.0		µg/kg dry	64.7	40.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 64.7		µg/kg dry	64.7	60.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 64.7		µg/kg dry	64.7	20.3	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	98.6			%			1	SM2540 G Mod.	29-Mar-13	29-Mar-13	DT	1307030	
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This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

1267329

SB66776-02

Client Project #

68PO369

Matrix

Concrete

Collection Date/Time

28-Mar-13 00:00

Received

28-Mar-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 59.2		µg/kg dry	59.2	29.6	1	SW846 8082A	28-Mar-13	29-Mar-13	BLM	1306972	X
11104-28-2	Aroclor-1221	< 59.2		µg/kg dry	59.2	53.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 59.2		µg/kg dry	59.2	38.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 59.2		µg/kg dry	59.2	34.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 59.2		µg/kg dry	59.2	29.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 59.2		µg/kg dry	59.2	49.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	625		µg/kg dry	59.2	36.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 59.2		µg/kg dry	59.2	55.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 59.2		µg/kg dry	59.2	18.6	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	100			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	110			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	98.3		%				1	SM2540 G Mod.	29-Mar-13	29-Mar-13	DT	1307031	
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Sample Identification

1267330

SB66776-03

Client Project #

68PO369

Matrix

Concrete

Collection Date/Time

28-Mar-13 00:00

Received

28-Mar-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 66.8		µg/kg dry	66.8	33.4	1	SW846 8082A	28-Mar-13	29-Mar-13	BLM	1306972	X
11104-28-2	Aroclor-1221	< 66.8		µg/kg dry	66.8	60.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 66.8		µg/kg dry	66.8	42.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 66.8		µg/kg dry	66.8	39.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 66.8		µg/kg dry	66.8	32.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 66.8		µg/kg dry	66.8	55.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	558		µg/kg dry	66.8	29.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 66.8		µg/kg dry	66.8	62.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 66.8		µg/kg dry	66.8	21.0	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	96.3			%			1	SM2540 G Mod.	29-Mar-13	29-Mar-13	DT	1307031	
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Sample Identification

1267331

SB66776-04

Client Project #

68PO369

Matrix

Concrete

Collection Date/Time

28-Mar-13 00:00

Received

28-Mar-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 72.1		µg/kg dry	72.1	36.0	1	SW846 8082A	28-Mar-13	29-Mar-13	BLM	1306972	X
11104-28-2	Aroclor-1221	< 72.1		µg/kg dry	72.1	64.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 72.1		µg/kg dry	72.1	46.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 72.1		µg/kg dry	72.1	42.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 72.1		µg/kg dry	72.1	35.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 72.1		µg/kg dry	72.1	60.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	1,310		µg/kg dry	72.1	32.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 72.1		µg/kg dry	72.1	67.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 72.1		µg/kg dry	72.1	22.6	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	91.8			%			1	SM2540 G Mod.	29-Mar-13	29-Mar-13	DT	1307031	
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Sample Identification

1267332

SB66776-05

Client Project #

68PO369

Matrix

Concrete

Collection Date/Time

28-Mar-13 00:00

Received

28-Mar-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 68.4		µg/kg dry	68.4	34.2	1	SW846 8082A	28-Mar-13	29-Mar-13	BLM	1306972	X
11104-28-2	Aroclor-1221	< 68.4		µg/kg dry	68.4	61.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 68.4		µg/kg dry	68.4	43.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 68.4		µg/kg dry	68.4	40.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 68.4		µg/kg dry	68.4	33.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 68.4		µg/kg dry	68.4	57.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	640		µg/kg dry	68.4	30.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 68.4		µg/kg dry	68.4	63.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 68.4		µg/kg dry	68.4	21.5	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	105			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	100			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	92.0			%			1	SM2540 G Mod.	29-Mar-13	29-Mar-13	DT	1307031	
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This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification

1267333

SB66776-06

Client Project #

68PO369

Matrix

Concrete

Collection Date/Time

28-Mar-13 00:00

Received

28-Mar-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 55.1		µg/kg dry	55.1	27.5	1	SW846 8082A	28-Mar-13	29-Mar-13	BLM	1306972	X
11104-28-2	Aroclor-1221	< 55.1		µg/kg dry	55.1	49.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 55.1		µg/kg dry	55.1	35.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 55.1		µg/kg dry	55.1	32.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 55.1		µg/kg dry	55.1	27.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 55.1		µg/kg dry	55.1	45.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	1,150		µg/kg dry	55.1	24.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 55.1		µg/kg dry	55.1	51.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 55.1		µg/kg dry	55.1	17.3	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	95			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	95			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	110			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	105			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	92.2			%			1	SM2540 G Mod.	29-Mar-13	29-Mar-13	DT	1307031	
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Sample Identification

1267334

SB66776-07

Client Project #

68PO369

Matrix

Concrete

Collection Date/Time

28-Mar-13 00:00

Received

28-Mar-13

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCPolychlorinated BiphenylsPrepared by method SW846 3540C

12674-11-2	Aroclor-1016	< 56.8		µg/kg dry	56.8	28.4	1	SW846 8082A	28-Mar-13	29-Mar-13	BLM	1306972	X
11104-28-2	Aroclor-1221	< 56.8		µg/kg dry	56.8	51.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 56.8		µg/kg dry	56.8	36.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 56.8		µg/kg dry	56.8	33.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 56.8		µg/kg dry	56.8	27.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 56.8		µg/kg dry	56.8	47.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260 [2C]	1,300		µg/kg dry	56.8	25.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 56.8		µg/kg dry	56.8	52.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 56.8		µg/kg dry	56.8	17.8	1	"	"	"	"	"	X

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	75			30-150 %			"	"	"	"	"	
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	75			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr)	90			30-150 %			"	"	"	"	"	
2051-24-3	Decachlorobiphenyl (Sr) [2C]	90			30-150 %			"	"	"	"	"	

General Chemistry Parameters

% Solids	96.1			%			1	SM2540 G Mod.	29-Mar-13	29-Mar-13	DT	1307031	
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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1306972 - SW846 3540C										
<u>Blank (1306972-BLK1)</u>					<u>Prepared: 28-Mar-13 Analyzed: 29-Mar-13</u>					
Aroclor-1016	< 66.7		µg/kg wet	66.7						
Aroclor-1016 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1221	< 66.7		µg/kg wet	66.7						
Aroclor-1221 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1232	< 66.7		µg/kg wet	66.7						
Aroclor-1232 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1242	< 66.7		µg/kg wet	66.7						
Aroclor-1242 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1248	< 66.7		µg/kg wet	66.7						
Aroclor-1248 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1254	< 66.7		µg/kg wet	66.7						
Aroclor-1254 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1260	< 66.7		µg/kg wet	66.7						
Aroclor-1260 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1262	< 66.7		µg/kg wet	66.7						
Aroclor-1262 [2C]	< 66.7		µg/kg wet	66.7						
Aroclor-1268	< 66.7		µg/kg wet	66.7						
Aroclor-1268 [2C]	< 66.7		µg/kg wet	66.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	56.7		µg/kg wet		66.7		85	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	60.0		µg/kg wet		66.7		90	30-150		
Surrogate: Decachlorobiphenyl (Sr)	53.3		µg/kg wet		66.7		80	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	66.7		µg/kg wet		66.7		100	30-150		
<u>LCS (1306972-BS1)</u>					<u>Prepared: 28-Mar-13 Analyzed: 29-Mar-13</u>					
Aroclor-1016	840		µg/kg wet	66.7	833		101	40-140		
Aroclor-1016 [2C]	770		µg/kg wet	66.7	833		92	40-140		
Aroclor-1260	750		µg/kg wet	66.7	833		90	40-140		
Aroclor-1260 [2C]	750		µg/kg wet	66.7	833		90	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	73.3		µg/kg wet		66.7		110	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	73.3		µg/kg wet		66.7		110	30-150		
Surrogate: Decachlorobiphenyl (Sr)	73.3		µg/kg wet		66.7		110	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	76.7		µg/kg wet		66.7		115	30-150		
<u>LCS Dup (1306972-BSD1)</u>					<u>Prepared: 28-Mar-13 Analyzed: 29-Mar-13</u>					
Aroclor-1016	840		µg/kg wet	66.7	833		101	40-140	0	30
Aroclor-1016 [2C]	750		µg/kg wet	66.7	833		90	40-140	3	30
Aroclor-1260	757		µg/kg wet	66.7	833		91	40-140	0.9	30
Aroclor-1260 [2C]	827		µg/kg wet	66.7	833		99	40-140	10	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	73.3		µg/kg wet		66.7		110	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	73.3		µg/kg wet		66.7		110	30-150		
Surrogate: Decachlorobiphenyl (Sr)	70.0		µg/kg wet		66.7		105	30-150		
Surrogate: Decachlorobiphenyl (Sr) [2C]	73.3		µg/kg wet		66.7		110	30-150		
<u>Duplicate (1306972-DUP1)</u>					<u>Source: SB66776-01 Prepared: 28-Mar-13 Analyzed: 29-Mar-13</u>					
Aroclor-1016	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1016 [2C]	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1221	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1221 [2C]	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1232	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1232 [2C]	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1242	< 60.9		µg/kg dry	60.9		BRL				30

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Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1306972 - SW846 3540C										
<u>Duplicate (1306972-DUP1)</u>				<u>Source: SB66776-01</u>			<u>Prepared: 28-Mar-13</u>	<u>Analyzed: 29-Mar-13</u>		
Aroclor-1242 [2C]	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1248	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1248 [2C]	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1254	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1254 [2C]	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1260	100		µg/kg dry	60.9		97.0			3	30
Aroclor-1260 [2C]	94.4		µg/kg dry	60.9		104			9	30
Aroclor-1262	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1262 [2C]	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1268	< 60.9		µg/kg dry	60.9		BRL				30
Aroclor-1268 [2C]	< 60.9		µg/kg dry	60.9		BRL				30
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	57.8		µg/kg dry		60.9		95	30-150		
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]</i>	54.8		µg/kg dry		60.9		90	30-150		
<i>Surrogate: Decachlorobiphenyl (Sr)</i>	60.9		µg/kg dry		60.9		100	30-150		
<i>Surrogate: Decachlorobiphenyl (Sr) [2C]</i>	60.9		µg/kg dry		60.9		100	30-150		
<u>Matrix Spike (1306972-MS1)</u>				<u>Source: SB66776-01</u>			<u>Prepared: 28-Mar-13</u>	<u>Analyzed: 29-Mar-13</u>		
Aroclor-1016	758		µg/kg dry	67.4	843	BRL	90	40-140		
Aroclor-1016 [2C]	688		µg/kg dry	67.4	843	BRL	82	40-140		
Aroclor-1260	853		µg/kg dry	67.4	843	97.0	90	40-140		
Aroclor-1260 [2C]	785		µg/kg dry	67.4	843	104	81	40-140		
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	67.4		µg/kg dry		67.4		100	30-150		
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]</i>	64.0		µg/kg dry		67.4		95	30-150		
<i>Surrogate: Decachlorobiphenyl (Sr)</i>	77.5		µg/kg dry		67.4		115	30-150		
<i>Surrogate: Decachlorobiphenyl (Sr) [2C]</i>	74.1		µg/kg dry		67.4		110	30-150		
<u>Matrix Spike Dup (1306972-MSD1)</u>				<u>Source: SB66776-01</u>			<u>Prepared: 28-Mar-13</u>	<u>Analyzed: 29-Mar-13</u>		
Aroclor-1016	623		µg/kg dry	59.4	742	BRL	84	40-140	7	30
Aroclor-1016 [2C]	558		µg/kg dry	59.4	742	BRL	75	40-140	8	30
Aroclor-1260	721		µg/kg dry	59.4	742	97.0	84	40-140	6	30
Aroclor-1260 [2C]	718		µg/kg dry	59.4	742	104	83	40-140	2	30
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)</i>	50.5		µg/kg dry		59.4		85	30-150		
<i>Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]</i>	50.5		µg/kg dry		59.4		85	30-150		
<i>Surrogate: Decachlorobiphenyl (Sr)</i>	59.4		µg/kg dry		59.4		100	30-150		
<i>Surrogate: Decachlorobiphenyl (Sr) [2C]</i>	59.4		µg/kg dry		59.4		100	30-150		

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Notes and Definitions

dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
June O'Connor



SPECTRUM ANALYTICAL, INC.
Featuring
HAMBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 4/8 hr
- ☐ All TATs subject to laboratory approval.
- ☐ Min. 24-hour notification needed for rushes.
- ☐ Samples disposed of after 60 days unless otherwise instructed.

Report To: Dave Bisson

100 Northwest Dr
Plainville CT 06062

Telephone #: (860) 747-6181

Project Mgr. _____

Invoice To: _____

P.O. No.: _____

RQN: _____

Project No.: 6800369

Site Name: Willgees X 210

Location: East Hartford State: CT

Sampler(s): Mike

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid 7=CH₃OH
8=NaHSO₄ 9=Deionized Water 10=H₃PO₄ 11= _____ 12= _____
DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=Concrete X2= _____ X3= _____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Containers:	Analyses:	Condition upon receipt:	State-specific reporting standards:
66716-01	12673328	3/28/13		G	X1	1						<input checked="" type="checkbox"/> Ambient <input checked="" type="checkbox"/> Refrigerated <input type="checkbox"/> D/V OVA Frozen <input type="checkbox"/> Soil Jar Frozen	<input type="checkbox"/> Standard <input type="checkbox"/> No QC <input type="checkbox"/> DOA* <input type="checkbox"/> NY ASP A* <input type="checkbox"/> NY ASP B* <input type="checkbox"/> NJ Reduced* <input type="checkbox"/> NJ Full* <input type="checkbox"/> TIER II* <input type="checkbox"/> TIER IV* <input type="checkbox"/> Other _____
02	12673329					1							
03	12673330					1							
04	12673331					1							
05	12673332					1							
06	12673333					1							
07	12673334	3/28/13		G	X1	1							
Relinquished by: <u>Matthew Cunniff</u> Received by: <u>John Bisson</u> Date: <u>3-28-13</u> Time: <u>1240</u> Temp °C: <u>1543</u> H/d: <u>14.0</u>													

Batch Summary

1306972

Semivolatile Organic Compounds by GC

1306972-BLK1
1306972-BS1
1306972-BSD1
1306972-DUP1
1306972-MS1
1306972-MSD1
SB66776-01 (1267328)
SB66776-02 (1267329)
SB66776-03 (1267330)
SB66776-04 (1267331)
SB66776-05 (1267332)
SB66776-06 (1267333)
SB66776-07 (1267334)

1307030

General Chemistry Parameters

SB66776-01 (1267328)

1307031

General Chemistry Parameters

SB66776-02 (1267329)
SB66776-03 (1267330)
SB66776-04 (1267331)
SB66776-05 (1267332)
SB66776-06 (1267333)
SB66776-07 (1267334)

S215592

Semivolatile Organic Compounds by GC

S215592-CAL1
S215592-CAL2
S215592-CAL3
S215592-CAL4
S215592-CAL5
S215592-CAL6
S215592-CAL7
S215592-CAL8
S215592-CAL9
S215592-CALA
S215592-CALB
S215592-CALC
S215592-CALD
S215592-CALE
S215592-CALF
S215592-CALG
S215592-CALH
S215592-CALI
S215592-CALJ
S215592-CALK
S215592-CALL

S215592-CALM
S215592-CALN
S215592-CALO
S215592-CALP
S215592-CALQ
S215592-CALR
S215592-CALS
S215592-CALT
S215592-CALU
S215592-ICV1
S215592-ICV2
S215592-ICV3
S215592-ICV4
S215592-ICV5
S215592-ICV6
S215592-LCV1
S215592-LCV2
S215592-LCV3
S215592-LCV4
S215592-LCV5
S215592-LCV6

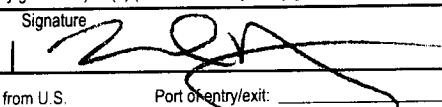
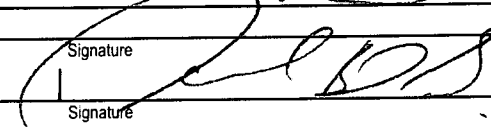
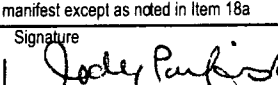
S303439

Semivolatile Organic Compounds by GC

S303439-CCV1
S303439-CCV2
S303439-CCV3
S303439-IBL1
S303439-IBL2
S303439-IBL3

APPENDIX C

Disposal Documentation

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CTD 000 845 131		2. Page 1 of 1 of 1		3. Emergency Response Phone (860) 565-1111		4. Manifest Tracking Number 007960310 JJK	
		5. Generator's Name and Mailing Address Pratt & Whitney (MS 122-22) 400 Main Street East Hartford, CT 06108 (860) 565-8339		Generator's Site Address (if different than mailing address) Pratt & Whitney-Willgoos Pent Road East Hartford, CT 06108					
6. Transporter 1 Company Name United Industrial Services, Inc.		U.S. EPA ID Number CTD 021 816 889							
7. Transporter 2 Company Name		U.S. EPA ID Number							
8. Designated Facility Name and Site Address CW Chemical Services, LLC 1550 Balmer Road Model City, NY 14107 (716) 754-6231		U.S. EPA ID Number NYD 22-2011-9							
Facility's Phone:									
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
x	1. RQ UN3432, Polychlorinated Biphenyls, Solids 9, PGIII			001	CM	EST 73,327 13,327	K	B007 CR01	
	2.								
	3.								
	4.								
14. Special Handling Instructions and Additional Information 1. NY302232/ P&W 6234/ ERG171 / PCB Concrete P&W Tracking: 12520 WIMS: 801440 CAN 2028 Gross: 70,170 Tare: 40,800 Net: 29,370 Emergency Response: (860) 565-1111 P&W Fire Headquarters Out of Service: 11-22-11 rec'd 13209K									
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Offeror's Printed/Typed Name On behalf of P&W by Mark H. Hoff				Signature 		Month Day Year 12 14 11			
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S. _____									
17. Transporter Acknowledgment of Receipt of Materials									
Transporter 1 Printed/Typed Name Darin Best Sr				Signature 		Month Day Year 12 14 11			
Transporter 2 Printed/Typed Name				Signature		Month Day Year			
18. Discrepancy									
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection									
Manifest Reference Number: _____ U.S. EPA ID Number _____									
18b. Alternate Facility (or Generator)									
Facility's Phone: _____									
18c. Signature of Alternate Facility (or Generator)								Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)									
1. H132		2.		3.		4. 12-14-2011			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a									
Printed/Typed Name Jody Parfinski				Signature 		Month Day Year 12 15 11			



CWM CHEMICAL SERVICES, LLC

1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 12/15/11 as described on Shipping Document number 007960310JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

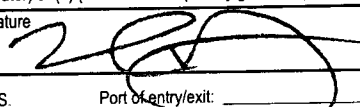
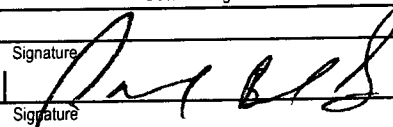
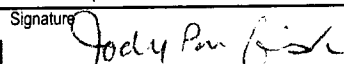
Profile Number: NY302232
CWM Tracking ID: 8164957801
CWM Unit #: 1*0
Disposal Date: 12/15/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 351272
12/16/11

For questions please call
our Customer Service Dept.
at (800) 843-3604

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CTD 000 845 131		2. Page 1 of 1 of 1	3. Emergency Response Phone (860)565-1111		4. Manifest Tracking Number 007960304 JJK	
		5. Generator's Name and Mailing Address Pratt & Whitney (MS 122-22) 400 Main Street East Hartford, CT 06108 (860)565-8339		Generator's Site Address (if different than mailing address) Pratt & Whitney-Willgoos Pent Road East Hartford, CT 06108				
6. Transporter 1 Company Name United Industrial Services, Inc.		U.S. EPA ID Number CTD 021 816 889		7. Transporter 2 Company Name		U.S. EPA ID Number		
8. Designated Facility Name and Site Address CW Chemical Services, LLC 1550 Balmer Road Model City, NY 14107 (716)754-8231		U.S. EPA ID Number NYD 049 836 679		9a. HM		9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		
				10. Containers		11. Total Quantity		12. Unit Wt./Vol
				No. Type				
GENERATOR		x		1. RQ, UN3432, Polychlorinated Biphenyls, Solids 9, PGIII		001 CM 12,574		K
				2.				
				3.				
				4.				
14. Special Handling Instructions and Additional Information 1. NY302232/ P&W 6234/ ERG171 / PCB Concrete P&W Tracking: 12572 WIMS: 801441 CAN: 2025 Gross: 68,460 Out of Service: 11/22/11 rec'd 12256K Tare: 40,740 Net: 27,720		Emergency Response: (860)565-1111 P&W Fire Headquarters						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Officer's Printed/Typed Name On behalf of P&W by Mark H. Hoff				Signature 		Month Day Year 12 12 11		
INT'L		16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:				
		Transporter signature (for exports only):						
TRANSPORTER		17. Transporter Acknowledgment of Receipt of Materials						
		Transporter 1 Printed/Typed Name Darryl Best Sr		Signature 		Month Day Year 12 12 11		
		Transporter 2 Printed/Typed Name		Signature		Month Day Year		
SIGNATURE FACILITY		18. Discrepancy						
		18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
		Manifest Reference Number:						
		U.S. EPA ID Number						
		18b. Alternate Facility (or Generator)						
		Facility's Phone:						
		18c. Signature of Alternate Facility (or Generator)						
		Month Day Year						
		19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
		2. 3. 4.						
		20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
		Printed/Typed Name Jody Parknick		Signature 		Month Day Year 12 13 11		



CWM CHEMICAL SERVICES, LLC

1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 12/13/11 as described on Shipping Document number 007960304JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

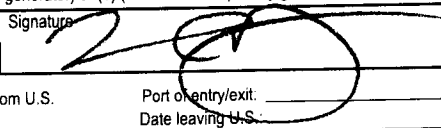
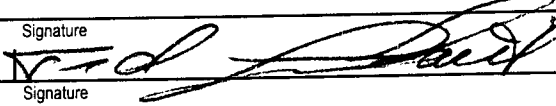
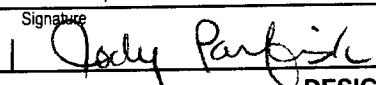
Profile Number: NY302232
CWM Tracking ID: 8164949201
CWM Unit #: 1*0
Disposal Date: 12/13/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 351198
12/14/11

For questions please call
our Customer Service Dept.
at (800) 843-3604

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CTD 000 845 131		2. Page 1 of 1 of 1		3. Emergency Response Phone (860)565-1111		4. Manifest Tracking Number 007960305 JJK		
		5. Generator's Name and Mailing Address Pratt & Whitney (MS 122-22) 400 Main Street East Hartford, CT 06108 (860)565-8339		Generator's Site Address (if different than mailing address) Pratt & Whitney-Willgoos Pent Road East Hartford, CT 06108						
6. Transporter 1 Company Name United Industrial Services, Inc.		U.S. EPA ID Number CTD 021 816 889								
7. Transporter 2 Company Name		U.S. EPA ID Number								
8. Designated Facility Name and Site Address CW Chemical Services, LLC 1550 Balmer Road Model City, NY 14107 (716)754-8231		U.S. EPA ID Number NYD 049 836 679								
Facility's Phone										
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
						No. Type				
	X	1. RQ, UN3432, Polychlorinated Biphenyls, Solids 9, PGIII				001 CM		10,474 <i>Est</i>	K	B007 CR01
		2.								
		3.								
		4.								
14. Special Handling Instructions and Additional Information 1. NY302232/ P&W 6234/ ERG171 / PCB Concrete Out of Service: 11-22-11 P&W Tracking: 12513 WIMS: 801442 CAN: 20105 Gross: 61840 Tare: 38,750 Emergency Response: (860)565-1111 P&W Fire Headquarters: 23090										
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.										
Generator's/Offor's Printed/Typed Name On behalf of P&W by Mark H. Hoff										
Signature  Month 12 Day 12 Year 11										
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____									
	Transporter signature (for exports only): _____									
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials									
	Transporter 1 Printed/Typed Name Tech Lukaszik Signature  Month 12 Day 12 Year 11									
Transporter 2 Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____										
SIGNATED FACILITY	18. Discrepancy									
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection									
	Manifest Reference Number: _____ U.S. EPA ID Number _____									
	18b. Alternate Facility (or Generator) _____ U.S. EPA ID Number _____									
	Facility's Phone: _____									
18c. Signature of Alternate Facility (or Generator) _____ Month _____ Day _____ Year _____										
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)										
H132 2. _____ 3. _____ 4. _____										
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a										
Printed/Typed Name Jody Parfinski Signature  Month 11 Day 14 Year 11										

DESIGNATED FACILITY TO GENERATOR



CWM CHEMICAL SERVICES, LLC

1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

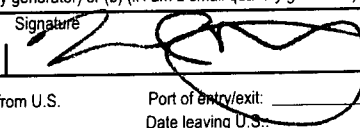
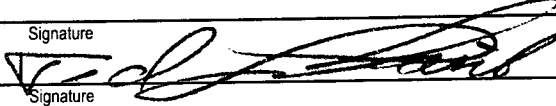
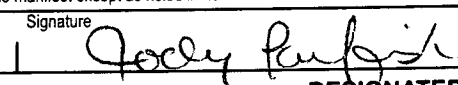
CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 12/14/11 as described on Shipping Document number 007960305JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8164950901
CWM Unit #: 1*0
Disposal Date: 12/14/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 351213
12/14/11

For questions please call
our Customer Service Dept.
at (800) 843-3604

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CTD 000 845 131		2. Page 1 of 1 of 1		3. Emergency Response Phone (860) 565-1111		4. Manifest Tracking Number 007960309 JJK	
		5. Generator's Name and Mailing Address Pratt & Whitney (MS 122-22) 400 Main Street East Hartford, CT 06108 (860) 565-8339		Generator's Site Address (if different than mailing address) Pratt & Whitney-Willgoos Pent Road East Hartford, CT 06108					
6. Transporter 1 Company Name United Industrial Services, Inc.		U.S. EPA ID Number CTD 021 816 889							
7. Transporter 2 Company Name		U.S. EPA ID Number							
8. Designated Facility Name and Site Address CW Chemical Services, LLC 1550 Balmer Road Model City, NY 14107 (716) 754-8231		U.S. EPA ID Number NYD 049 836 679							
Facility's Phone:									
9a. HM		9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers No. Type		11. Total Quantity		12. Unit Wt./Vol.	
1. X		1. RQ, UN3432, Polychlorinated Biphenyls, Solids 9, PGIII		001 CM		12,941 EST		K	
2.									
3.									
4.									
14. Special Handling Instructions and Additional Information 1. NY302232/ P&W 6234/ ERG171 / PCB Concrete P&W Tracking: 12519 WIMS: 802176 CAN: 20104 Gross: 68,280 Out of Service: 12-21-11 Emergency Response: (860) 565-1111 P&W Fire Headquarters Estimated 9/12/16/11 Tare: 39,750 Net: 28,530									
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Officer's Printed/Typed Name On behalf of P&W by Mark H. Hoff				Signature 		Month 12		Day 15	
16. International Shipments		<input type="checkbox"/> Import to U.S.		<input type="checkbox"/> Export from U.S.		Port of entry/exit:		Date leaving U.S.:	
17. Transporter Acknowledgment of Receipt of Materials									
Transporter 1 Printed/Typed Name Red Lukasiuk				Signature 		Month 12		Day 15	
Transporter 2 Printed/Typed Name				Signature		Month		Day	
18. Discrepancy									
18a. Discrepancy Indication Space		<input type="checkbox"/> Quantity		<input type="checkbox"/> Type		<input type="checkbox"/> Residue		<input type="checkbox"/> Partial Rejection	
								<input type="checkbox"/> Full Rejection	
Manifest Reference Number:						U.S. EPA ID Number			
18b. Alternate Facility (or Generator)						U.S. EPA ID Number			
Facility's Phone									
18c. Signature of Alternate Facility (or Generator)						Month		Day	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)									
1. H132		2.		3.		4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a									
Printed/Typed Name Jody Palfinski				Signature 		Month 11		Day 16	



CWM CHEMICAL SERVICES, LLC

1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

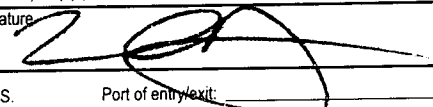
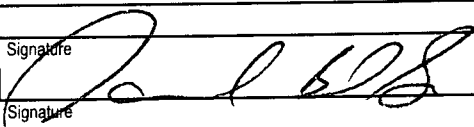
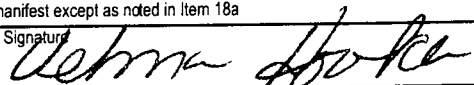
CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 12/16/11 as described on Shipping Document number 007960309JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8164958601
CWM Unit #: 1*0
Disposal Date: 12/16/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 351279
12/19/11

For questions please call
our Customer Service Dept.
at (800) 843-3604

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CTD 000 845 131		2. Page 1 of 1		3. Emergency Response Phone (860) 565-1111		4. Manifest Tracking Number 007960324 JJK			
		5. Generator's Name and Mailing Address Pratt & Whitney (MS 122-22) 400 Main Street East Hartford, CT 06108 (860) 565-8339		Generator's Site Address (if different than mailing address) Pratt & Whitney-Willgoos Pent Road East Hartford, CT 06108							
6. Transporter 1 Company Name United Industrial Services, Inc.		U.S. EPA ID Number CTD 021 816 889									
7. Transporter 2 Company Name		U.S. EPA ID Number									
8. Designated Facility Name and Site Address CW Chemical Services, LLC 1550 Balmer Road Model City, NY 14107 (716) 754-8231		U.S. EPA ID Number NYD 049 836 679									
Facility's Phone:											
9a. HM		9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers No. Type		11. Total Quantity		12. Unit Wt./Vol.		13. Waste Codes	
1		RQ, UN3432, Polychlorinated Biphenyls, Solids 9, PGIII		001 CM		10,451 EST		K		B007 CR01	
2.											
3											
4.											
14. Special Handling Instructions and Additional Information 81649686 RD 10342K											
1. NY302232/ P&W 6234/ ERG171 / PCB Concrete P&W Tracking: 12536 WIMS: 802177 CAN 20100 Gross: 64,040 Tare: 41,000 Net: 23,040 Out of Service: 12/2/11 Estimated Emergency Response: (860) 565-1111 P&W Fire Headquarters Estimated											
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.											
Generator's/Offeror's Printed/Typed Name On behalf of P&W by Mark H. Hoff											
Signature  Month 12 Day 19 Year 11											
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:											
Transporter signature (for exports only):											
17. Transporter Acknowledgment of Receipt of Materials											
Transporter 1 Printed/Typed Name Daryl L. Best Sr. Signature  Month 12 Day 19 Year 11											
Transporter 2 Printed/Typed Name Signature Month Day Year											
18. Discrepancy											
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection											
Manifest Reference Number: U.S. EPA ID Number											
18b. Alternate Facility (or Generator)											
Facility's Phone											
18c. Signature of Alternate Facility (or Generator) Month Day Year											
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)											
H132 2. 3. 4.											
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a											
Printed/Typed Name Debra Hooker Signature  Month 12 Day 21 Year 11											



CWM CHEMICAL SERVICES, LLC

1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 12/20/11 as described on Shipping Document number 007960324JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8164968601
CWM Unit #: 1*0
Disposal Date: 12/20/11

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 351415
12/21/11

For questions please call
our Customer Service Dept.
at (800) 843-3604

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CTD 000 845 131	2. Page 1 of 1 of 1	3. Emergency Response Phone (860)565-1111	4. Manifest Tracking Number 009809719 JJK	
5. Generator's Name and Mailing Address Pratt & Whitney (MS 122-22) 400 Main Street East Hartford, CT 06108 Generator's Phone: (860)565-8339			Generator's Site Address (if different than mailing address) Pratt & Whitney-Willgoos Pent Road East Hartford, CT 06108			
6. Transporter 1 Company Name Haz Mat Environmental Group.			U.S. EPA ID Number NYD 980 769 947			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address CW Chemical Services, LLC 1550 Balmer Road Model City, NY 14107 Facility's Phone: (716) 286-1550			U.S. EPA ID Number NYD 049 836 679			
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
x	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9. PGIII	001	CM	11,900	K	B007 CR01
	2.					
	3.					
	4.					
14. Special Handling Instructions and Additional Information 1. NY302232/ P&W 6234a/ ERG171/PCB Concrete/Soils P&W Tracking: 14047 WIMS: 837939 CAN: 3026 Gross: 69860 Tare: 43,680 Emergency Response: (860)565-1111 P&W Fire Headquarters Out of Service: 12-11-12 Net: 26,180						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offoror's Printed/Typed Name On behalf of P&W by		Signature Jagm H. Miller Mark H. Hoff		Month Day Year 12 17 12		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name Edward Hahn		Signature Edward Hahn		Month Day Year 12 17 12		
Transporter 2 Printed/Typed Name		Signature		Month Day Year		
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number:						
18b. Alternate Facility (or Generator) U.S. EPA ID Number						
Facility's Phone:						
18c. Signature of Alternate Facility (or Generator) Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name Jody Parfinski		Signature Jody Parfinski		Month Day Year 12 18 12		



CWM CHEMICAL SERVICES, LLC

1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 12/18/12 as described on Shipping Document number 009809719JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8165856501
CWM Unit #: 1*0
Disposal Date: 12/18/12

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

A handwritten signature in black ink, appearing to read 'Michael D. Mahar', written over a horizontal line.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 362412
12/19/12

For questions please call
our Customer Service Dept.
at (800) 843-3604

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CTD 000 845 131	2. Page 1 of 1 of 1	3. Emergency Response Phone (860) 565-1111	4. Manifest Tracking Number 009809718 JJK			
5. Generator's Name and Mailing Address Pratt & Whitney (MS 122-22) 400 Main Street East Hartford, CT 06108 Generator's Phone: (860) 565-8339				Generator's Site Address (if different than mailing address) Pratt & Whitney-Willgoos Pent Road East Hartford, CT 06108				
6. Transporter 1 Company Name Haz Mat Environmental Group				U.S. EPA ID Number NYD 980 769 947				
7. Transporter 2 Company Name				U.S. EPA ID Number				
8. Designated Facility Name and Site Address CW Chemical Services, LLC 1550 Balmer Road Model City, NY 14107 Facility's Phone: (716) 286-1550				U.S. EPA ID Number NYD 049 836 679				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
			No.	Type				
	X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9. PGIII	001	CM	15,604.5	K	B007 CR01	
		2.						
		3.						
		4.						
14. Special Handling Instructions and Additional Information 1. NY302232/ P&W 6234a/ ERG171/PCB Concrete/Soils P&W Tracking: 14047 WIMS: 837940 CAN: 3039 Gross: 76660 Tare: 42360 Net: 34300165 Emergency Response: (860) 565-1111 P&W Fire Headquarters Out of Service: 12-11-12								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offor's Printed/Typed Name On behalf of P&W by Jason H. Miller				Signature 		Month Day Year 12/17/12		
INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:							
	Transporter signature (for exports only):							
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials							
	Transporter 1 Printed/Typed Name GRANT WILLIAMS				Signature 		Month Day Year 12/17/12	
	Transporter 2 Printed/Typed Name				Signature		Month Day Year	
DESIGNATED FACILITY	18. Discrepancy							
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
	18b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number							
	Facility's Phone:							
	18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
H132		2	3	4				
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a								
Printed/Typed Name Jody Perfinski				Signature 		Month Day Year 12/18/12		



CWM CHEMICAL SERVICES, LLC

1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

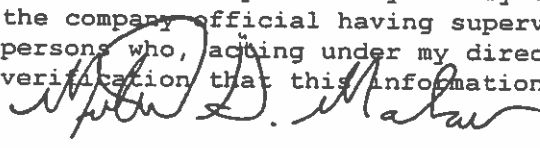
PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 12/18/12 as described on Shipping Document number 009809718JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

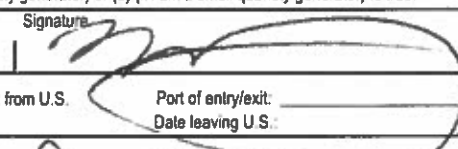
Profile Number: NY302232
CWM Tracking ID: 8165856401
CWM Unit #: 1*0
Disposal Date: 12/18/12

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.



MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 362411
12/19/12

For questions please call
our Customer Service Dept.
at (800) 843-3604

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CTD 000 845 131		2. Page 1 of 1		3. Emergency Response Phone (860) 565-1111		4. Manifest Tracking Number 009809730 JJK			
		5. Generator's Name and Mailing Address Pratt & Whitney (MS 122-23) 400 Main Street East Hartford, CT 06108 (860) 565-8339						Generator's Site Address (if different than mailing address) Pratt & Whitney-Willgoos Pent Road East Hartford, CT 06108			
6. Transporter 1 Company Name United Industrial Services, Inc.		U.S. EPA ID Number CTD 021 816 889									
7. Transporter 2 Company Name		U.S. EPA ID Number									
8. Designated Facility Name and Site Address CW Chemical Services, LLC 1550 Balmer Road Model City, NY 14107 (716) 286-1550		U.S. EPA ID Number NYD 049 836 679									
Facility's Phone:											
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII				001	CM	16121	K	B007	CR01
		2.									
		3.									
		4.									
14. Special Handling Instructions and Additional Information 1 NY302232/ P&W 6234A/ ERG171/PCB Concrete/Soils 81658940 Emergency Response (860) 565-1111 P&W Tracking: 1403 P&W Fire Headquarters: WIMS 837941 CAN: 3024 Gross: 80340 Out of Service: 12-12-12 Tare: 44800 Net: 35540											
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.											
Generator's/Offeror's Printed/Typed Name On behalf of P&W by Mark H. Hoff											
Signature 											
Month Day Year 10 09 13											
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:										
	Transporter signature (for exports only):										
	17. Transporter Acknowledgment of Receipt of Materials										
Transporter 1 Printed/Typed Name											
Signature											
Month Day Year											
Transporter 2 Printed/Typed Name											
Signature											
Month Day Year											
DESIGNATED FACILITY	18. Discrepancy										
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection										
	Manifest Reference Number:										
	18b. Alternate Facility (or Generator) U.S. EPA ID Number										
	Facility's Phone:										
18c. Signature of Alternate Facility (or Generator)											
Month Day Year											
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)											
1. H132 2. 3. 4.											
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a											
Printed/Typed Name											
Signature											
Month Day Year											



CWM CHEMICAL SERVICES, LLC

1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

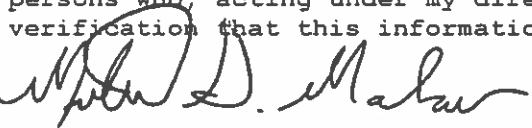
PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 01/08/13 as described on Shipping Document number 009809730JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8165894001
CWM Unit #: 1*0
Disposal Date: 01/08/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.



MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 362841
01/09/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

50 208209/210 Wai

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-003

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CTD 000 845 131	2. Page 1 of 1 of 1	3. Emergency Response Phone (860)565-1111	4. Manifest Tracking Number 009809945 JJK			
5. Generator's Name and Mailing Address Pratt & Whitney (MS 122-22) 400 Main Street East Hartford, CT 06108 Generator's Phone: (860)565-8339			Generator's Site Address (if different than mailing address) Pratt & Whitney-Willgoos Pent Road East Hartford, CT 06108					
6. Transporter 1 Company Name Tradebe Transportation, LLC Page, E.K. Inc.			U.S. EPA ID Number NYD986969947 CTD 021 810 88940					
7. Transporter 2 Company Name			U.S. EPA ID Number					
8. Designated Facility Name and Site Address CW Chemical Services, LLC 1550 Balmer Road Model City, NY 14107 Facility's Phone: (716) 296-1550			U.S. EPA ID Number NYD 049 836 679					
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII	001 DT		2,237	K	B007	CR01
		2.						
		3.						
		4.						
14. Special Handling Instructions and Additional Information 1. NY302232/ P&W 6234/ ERG171/PCB Concrete/Soils rec'd 21192K Emergency Response: (860)565-1111 P&W Tracking: 1427 SR# 999902 P&W Fire Headquarters WIMS 846002 CAN DT-6528 Gross: 80,320 Out of Service: 3/21/13 81660389 Tare: 33,500 Net: 46,820								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offeror's Printed/Typed Name On behalf of P&W by Richard R. Houle			Signature Richard R. Houle		Month Day Year 3 21 13			
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:							
	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Mike Montague Signature Mike Montague Month Day Year 03 21 13 Transporter 2 Printed/Typed Name Signature Month Day Year							
DESIGNATED FACILITY	18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: U.S. EPA ID Number 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day Year							
	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. H132 2. 3. 4.							
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Jody Porfinski Signature Jody Porfinski Month Day Year 3 22 13							



CWM CHEMICAL SERVICES, LLC

1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 03/22/13 as described on Shipping Document number 009809945JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166058901
CWM Unit #: 1*0
Disposal Date: 03/22/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 364888
03/25/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

750 am 208/209/210.1 Na/1

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CTD 000 845 131	2. Page 1 of 1 of 1	3. Emergency Response Phone (860)565-1111	4. Manifest Tracking Number 009809944 JJK		
5. Generator's Name and Mailing Address Pratt & Whitney (MS 122-22) 400 Main Street East Hartford, CT 06108 Generator's Phone: (860)565-8339			Generator's Site Address (if different than mailing address) Pratt & Whitney-Willgoos Pent Road East Hartford, CT 06108				
6. Transporter 1 Company Name Tradebe Transportation, LLC @ Page E.T.C., Inc.			U.S. EPA ID Number NY0986989947 CTD 021 816 08920				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address CW Chemical Services, LLC 1550 Balmer Road Model City, NY 14107 Facility's Phone: (716) 286-1550			U.S. EPA ID Number NYD 049 836 679				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9. PGIII	001	DT	21,528	K	B007 CR01
		2.					
		3.					
		4.					
14. Special Handling Instructions and Additional Information 1. NY302232/ P&W 6234/ ERG171/PCB Concrete/Soils P&W Tracking: 14269 WIMS: 846003 CAN: 07-4169 Gross: 81460 Tare: 34000 SR 999902 rec'd 21564K Emergency Response: (860)565-1111 P&W Fire Headquarters Out of Service: 3/21/13 381660588 Net: 47460							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeror's Printed/Typed Name On behalf of P&W by Richard R. Houle			Signature Richard R. Houle		Month Day Year 13 12 13		
TRANSPORTER INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____						
	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name: _____ Signature: _____ Month Day Year: 13 12 13 Transporter 2 Printed/Typed Name: _____ Signature: _____ Month Day Year: _____						
DESIGNATED FACILITY	18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: _____ 18b. Alternate Facility (or Generator) _____ U.S. EPA ID Number _____ Facility's Phone: _____ 18c. Signature of Alternate Facility (or Generator) _____ Month Day Year: _____						
	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. H132 2. 3. 4.						
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name: Jody Perfinski Signature: Jody Perfinski Month Day Year: 13 12 13						



CWM CHEMICAL SERVICES, LLC

1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 03/22/13 as described on Shipping Document number 009809944JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166058801
CWM Unit #: 1*0
Disposal Date: 03/22/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 364887
03/25/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

208/209/710
>50ppm

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CTD 000 845 131		2. Page 1 of 1 of 1		3. Emergency Response Phone (860) 565-1111		4. Manifest Tracking Number 009809956 JJK			
		5. Generator's Name and Mailing Address Pratt & Whitney (MS 122-22) 400 Main Street East Hartford, CT 06108 (860) 565-8339 Generator's Phone:						Generator's Site Address (if different than mailing address) Pratt & Whitney-Willgoos Pent Road East Hartford, CT 06108			
GENERATOR		6. Transporter 1 Company Name <i>Page E.I.C., Inc.</i>						U.S. EPA ID Number <i>NYD986969947</i>			
		7. Transporter 2 Company Name						U.S. EPA ID Number			
DESIGNATED FACILITY		8. Designated Facility Name and Site Address CW Chemical Services, LLC 1550 Balmer Road Model City, NY 14107 (716) 286-1550 Facility's Phone:						U.S. EPA ID Number <i>SRH10000674</i> <i>NYD 049 836 579</i>			
TRANSPORTER		9a. HM X		9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) 1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII		10. Containers		11. Total Quantity <i>20430</i>	12. Unit Wt./Vol. K	13. Waste Codes B007 CR01	
						No.	Type				
						001	<i>HK</i> <i>SM</i> <i>DT</i>				
INT'L		14. Special Handling Instructions and Additional Information 1 NY302232/ P&W 6234/ ERG171/PCB Concrete/Soils <i>fercl 20539K</i> P&W Tracking: <i>14282</i> WIMS: <i>88/223</i> CAN: <i>DT-9461</i> Gross: <i>80,240</i> Tare: <i>35,200</i> Net: <i>45,040</i> Emergency Response: (860) 565-1111 P&W Fire Headquarters Out of Service: <i>3/27/13</i> <i>816/60632</i>									
		15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
TRANSPORTER		Generator's/Offeror's Printed/Typed Name On behalf of P&W by Richard R. Houle						Signature <i>Richard R. Houle</i>		Month Day Year 13 12 13	
		16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Transporter signature (for exports only):						Port of entry/exit: Date leaving U.S.:			
TRANSPORTER		17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name <i>John A Zellen</i> Signature <i>John A Zellen</i> Transporter 2 Printed/Typed Name Signature									
		Month Day Year 13 12 13									
DESIGNATED FACILITY		18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number:									
		18b. Alternate Facility (or Generator) U.S. EPA ID Number									
DESIGNATED FACILITY		Facility's Phone:						18c. Signature of Alternate Facility (or Generator)		Month Day Year	
DESIGNATED FACILITY		19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)									
		20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name <i>Jody Parfinski</i> Signature <i>Jody Parfinski</i> Month Day Year 13 12 13									



CWM CHEMICAL SERVICES, LLC

1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 03/28/13 as described on Shipping Document number 009809956JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166063801
CWM Unit #: 1*0
Disposal Date: 03/28/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 364949
03/29/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

208/209/10 W611

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CTD 000 845 131		2. Page 1 of 1 of 1		3. Emergency Response Phone (860)565-1111		4. Manifest Tracking Number 009809957 JJK					
		5. Generator's Name and Mailing Address Pratt & Whitney (MS 122-22) 400 Main Street East Hartford, CT 06108 (860)565-8339						Generator's Site Address (if different than mailing address) Pratt & Whitney-Willgoos Pent Road East Hartford, CT 06108					
6. Transporter 1 Company Name Reggie Tradebe Transportation LLC		U.S. EPA ID Number NYD 986969947						7. Transporter 2 Company Name					
8. Designated Facility Name and Site Address CW Chemical Services, LLC 1550 Balmer Road Model City, NY 14107 (716) 286-1550		U.S. EPA ID Number NYD 049 836 679											
9a. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity		12. Unit Wt./Vol.		13. Waste Codes					
1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII		001		20539		K		B007 CR01					
2.													
3.													
4.													
14. Special Handling Instructions and Additional Information 1. NY302232/ P&W 6234/ ERG171/PCB Concrete/Soils P&W Tracking: 141283 WIMS 846224 CAN: 07-01 Gross: 79560 Tare: 34280 Net: 45280 Emergency Response: (860)565-1111 P&W Fire Headquarters: 31271381660633 Out of Service: 31271381660633													
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.													
Generator's/Officer's Printed/Typed Name On behalf of P&W by Richard R. Houle										Signature <i>Richard R. Houle</i>		Month Day Year 3 27 13	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____													
17. Transporter Acknowledgment of Receipt of Materials													
Transporter 1 Printed/Typed Name MARC DELAYAVAL										Signature <i>Marc DelaYaval</i>		Month Day Year 3 27 13	
Transporter 2 Printed/Typed Name										Signature		Month Day Year	
18. Discrepancy													
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection													
18b. Alternate Facility (or Generator) Manifest Reference Number: _____ U.S. EPA ID Number: _____													
18c. Signature of Alternate Facility (or Generator) Month Day Year													
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)													
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a													
Printed/Typed Name Jody Perfinski										Signature <i>Jody Perfinski</i>		Month Day Year 3 28 13	



CWM CHEMICAL SERVICES, LLC

1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 03/28/13 as described on Shipping Document number 009809957JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166063301
CWM Unit #: 1*0
Disposal Date: 03/28/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 364944
03/29/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

208/209/210 W411

6

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CTD 000 845 131	2. Page 1 of 1 of 1	3. Emergency Response Phone (860) 565-1111	4. Manifest Tracking Number 009809958 JJK	
5. Generator's Name and Mailing Address Pratt & Whitney (MS 122-22) 400 Main Street East Hartford, CT 06108 Generator's Phone: (860) 565-8339			Generator's Site Address (if different than mailing address) Pratt & Whitney-Willgoos Pent Road East Hartford, CT 06108			
6. Transporter 1 Company Name Page E.I.C., Inc.			U.S. EPA ID Number NYD986969947			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address CW Chemical Services, LLC 1550 Balmer Road Model City, NY 14107 Facility's Phone: (716) 286-1550			U.S. EPA ID Number NYD 049 836 679			
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.
	X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9. PGIII	001 CR GM DT		21,029	K
		2.				
		3.				
		4.				
13. Waste Codes B007 CR01						
14. Special Handling Instructions and Additional Information 1. NY302232/ P&W 6234/ ERG171/PCB Concrete/Soils SR# 1000674 P&W Tracking: 1482/14284 rec'd 21437K out of Service: 3/27/13 WIMS: 846225 CAN: DT-6570 Gross: 79,360 Tare: 33,000 Net: 46,360 Emergency Response: (860) 565-1111 P&W Fire Headquarters: 312713 8166063						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offeror's Printed/Typed Name On behalf of P&W by Richard R. Houle			Signature Richard R. Houle		Month Day Year 3 27 13	
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input checked="" type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:					
	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name William Kern Signature Month Day Year 3 27 13 Transporter 2 Printed/Typed Name Signature Month Day Year					
TRANSPORTER	18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: U.S. EPA ID Number					
	18b. Alternate Facility (or Generator) Facility's Phone: U.S. EPA ID Number					
	18c. Signature of Alternate Facility (or Generator) Month Day Year					
DESIGNATED FACILITY	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. 14132 2. 3. 4.					
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Jody Partinski Signature Month Day Year 3 28 13					



CWM CHEMICAL SERVICES, LLC

1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 03/28/13 as described on Shipping Document number 009809958JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166063901
CWM Unit #: 1*0
Disposal Date: 03/28/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 364950
03/29/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

202/209/210 wall
> 50 ppm

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CTD 000 845 131	2. Page 1 of 1 of 1	3. Emergency Response Phone (860)565-1111	4. Manifest Tracking Number 009809959 JJK			
5. Generator's Name and Mailing Address Pratt & Whitney (MS 122-22) 400 Main Street East Hartford, CT 06108 Generator's Phone: (860)565-8339			Generator's Site Address (if different than mailing address) Pratt & Whitney-Willgoos Pent Road East Hartford, CT 06108					
6. Transporter 1 Company Name Page E.T.C., Inc.			U.S. EPA ID Number NY0986969947					
7. Transporter 2 Company Name			U.S. EPA ID Number					
8. Designated Facility Name and Site Address CW Chemical Services, LLC 1550 Balmer Road Model City, NY 14107 Facility's Phone: (716) 286-1550			U.S. EPA ID Number NYD 049 836 679					
9a. HM X	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) 1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9. PGIII		10. Containers No. 001 Type DRB DT		11. Total Quantity 20,766	12. Unit K	13. Waste Codes B007 CR01	
	2.							
	3.							
	4.							
14. Special Handling Instructions and Additional Information 1. NY302232/ P&W 6234/ ERG171/PCB Concrete/Soils rec'd 20575K P&W Tracking: 14285 WIMS 846226 CAN: DT-9463 Gross: 89380 Tare: 34600 Emergency Response: (860)565-1111 P&W Fire Headquarters Out of Service: 3/27/13 Net: 45780								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offeror's Printed/Typed Name On behalf of P&W by Richard R. Houle				Signature Richard R. Houle		Month Day Year 3/27/13		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Transporter signature (for exports only): Port of entry/exit: Date leaving U.S.:								
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Signature Month Day Year 3/27/13 Transporter 2 Printed/Typed Name Signature Month Day Year								
18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: 18b. Alternate Facility (or Generator) U.S. EPA ID Number Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day Year								
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. H132 2. 3. 4.								
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Signature Month Day Year 3/28/13								



CWM CHEMICAL SERVICES, LLC

1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 03/28/13 as described on Shipping Document number 009809959JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166064001
CWM Unit #: 1*0
Disposal Date: 03/28/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 364951
03/29/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CTD 000 845 131	2. Page 1 of 1 of 1	3. Emergency Response Phone (860) 565-1111	4. Manifest Tracking Number 009810504 JJK
5. Generator's Name and Mailing Address Pratt & Whitney (MS 122-22) 400 Main Street East Hartford, CT 06108 Generator's Phone: (860) 565-8339			Generator's Site Address (if different than mailing address) Pratt & Whitney-Willgoos Pent Road East Hartford, CT 06108		
6. Transporter 1 Company Name Page E.T.C., Inc.			U.S. EPA ID Number NY0980969947		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address CW Chemical Services, LLC 1550 Balmer Road Model City, NY 14107 Facility's Phone: (716) 286-1550			U.S. EPA ID Number NYD 049 836 679		

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes	
		No.	Type				
X	1. UN3432, Polychlorinated biphenyls, PG III	001	DT	22235	K	B007	CR01

April

2013

14. Special Handling Instructions and Additional Information
 1. NY302232/ P&W 6237 ERG 111 PCB Concrete/some soils 22789K
 P&W Tracking: 14287
 WIMS 847287 CAN OF 7636 Gross: 80,020 Tare: 31,000 Net: 49,020
 Emergency Response: (860) 565-1111
 P&W Fire Headquarters: 4/11/13 8166066
 Out of Service: 4/11/13

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On behalf of P&W by Richard R. Houle
 Signature: *Richard R. Houle*
 Month: 4 Day: 1 Year: 13

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S.
 Port of entry/exit: _____
 Date leaving U.S.: _____

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: <i>Shane Anderson</i>	Signature: <i>[Signature]</i>	Month: 4 Day: 1 Year: 13
Transporter 2 Printed/Typed Name: _____	Signature: _____	Month: _____ Day: _____ Year: _____

18. Discrepancy

18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number: _____

18b. Alternate Facility (or Generator): _____ U.S. EPA ID Number: _____

Facility's Phone: _____

18c. Signature of Alternate Facility (or Generator): _____ Month: _____ Day: _____ Year: _____

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. H132	2. _____	3. _____	4. _____
---------	----------	----------	----------

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a

Printed/Typed Name: *Jody Parfinski*
 Signature: *Jody Parfinski*
 Month: 4 Day: 12 Year: 13



CWM CHEMICAL SERVICES, LLC

1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 04/02/13 as described on Shipping Document number 009810504JJJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166066301
CWM Unit #: 1*0
Disposal Date: 04/02/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 364986
04/03/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CTD 000 845 131	2. Page 1 of 1 of 1	3. Emergency Response Phone (860) 565-1111	4. Manifest Tracking Number 009810505 JJK
5. Generator's Name and Mailing Address Pratt & Whitney (MS 122-22) 400 Main Street East Hartford, CT 06108 Generator's Phone: (860) 565-8339			Generator's Site Address (if different than mailing address) Pratt & Whitney-Willgoos Pent Road East Hartford, CT 06108		
6. Transporter 1 Company Name Page E.T.C., Inc.				U.S. EPA ID Number NYD 986969947	
7. Transporter 2 Company Name				U.S. EPA ID Number	
8. Designated Facility Name and Site Address CW Chemical Services, LLC 1550 Balmer Road Model City, NY 14107 Facility's Phone: (716) 286-1550				U.S. EPA ID Number NYD 049 836 679	
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.
X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII	001	DT	20,503	K
	2.				
	3.				
	4.				
13. Waste Codes B007 CR01					
14. Special Handling Instructions and Additional Information 1. NY302232/ P&W 6234/ ERG171/PCB Concrete/some soils P&W Tracking: 14388 WIMS: 817288 CAN: 07-9922 Gross: 79,200 Tare: 34,000 Emergency Response: (860) 565-1111 P&W Fire Headquarters Out of Service: 4/1/13 81660672 Net: 45,200					
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.					
Generator's/Officer's Printed/Typed Name On behalf of P&W by Richard R. Houle				Signature Richard R. Houle Month Day Year 4/1/13	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Transporter signature (for exports only): Port of entry/exit: Date leaving U.S.:					
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name Gregory Gaudin Signature Gregory Gaudin Month Day Year 4/1/13 Transporter 2 Printed/Typed Name Signature Month Day Year					
18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: U.S. EPA ID Number: 18b. Alternate Facility (or Generator) Facility's Phone: 18c. Signature of Alternate Facility (or Generator) Month Day Year					
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. H132 2. 3. 4.					
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name Jody Parfinski Signature Jody Parfinski Month Day Year 4/2/13					



CWM CHEMICAL SERVICES, LLC

1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 04/02/13 as described on Shipping Document number 009810505JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166067201
CWM Unit #: 1*0
Disposal Date: 04/02/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 364994
04/03/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

208/209/210 750 ppm

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CTD 000 845 131		2. Page 1 of 1 of 1		3. Emergency Response Phone (860) 565-1111		4. Manifest Tracking Number 009810506 JJK			
		5. Generator's Name and Mailing Address Pratt & Whitney (MS 122-22) 400 Main Street East Hartford, CT 06108 Generator's Phone: (860) 565-8339		Generator's Site Address (if different than mailing address) Pratt & Whitney-Willgoos Pent Road East Hartford, CT 06108							
6. Transporter 1 Company Name <i>Tradebe Transportation, LLC</i>		U.S. EPA ID Number <i>CTD 021 816 889</i>									
7. Transporter 2 Company Name		U.S. EPA ID Number									
8. Designated Facility Name and Site Address CW Chemical Services, LLC 1550 Balmer Road Model City, NY 14107 Facility's Phone: (716) 286-1550		U.S. EPA ID Number NYD 049 836 679									
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII			001 DT		19886	K	B007 CR01		
		2.									
		3.									
		4.									
14. Special Handling Instructions and Additional Information 1. NY302232/ P&W 6234/ ERG171/PCB Concrete/some soils P&W Tracking: 14289 WIMS 847289 CAN: DT-03 Gross: 79,740 Tare: 35,900 Net: 43,840 Emergency Response: (860) 565-1111 P&W Fire Headquarters Out of Service: 4/11/13 81660667											
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.											
Generator's/Offeror's Printed/Typed Name On behalf of P&W by Richard R. Houle					Signature <i>Richard R. Houle</i>			Month Day Year 4 1 13			
TRANSPORTER INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____										
	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name <i>Peter D. Palma</i> Signature <i>Peter D. Palma</i> Month Day Year 04 1 13 Transporter 2 Printed/Typed Name _____ Signature _____ Month Day Year _____										
DESIGNATED FACILITY	18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: _____ 18b. Alternate Facility (or Generator) _____ U.S. EPA ID Number _____ Facility's Phone: _____ 18c. Signature of Alternate Facility (or Generator) _____ Month Day Year _____										
	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. H132 2. 3. 4.										
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name <i>Jodey Pafinski</i> Signature <i>Jodey Pafinski</i> Month Day Year 4 2 13										



CWM CHEMICAL SERVICES, LLC

1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 04/02/13 as described on Shipping Document number 009810506JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166066701
CWM Unit #: 1*0
Disposal Date: 04/02/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

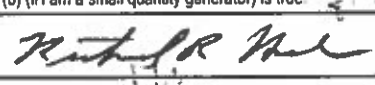
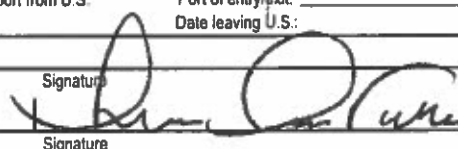
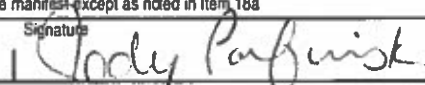
MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 364990
04/03/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

208/209/210 W11
> 50 ppm

Form Approved. OMB No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number		2. Page 1 of 1 of 1		3. Emergency Response Phone		4. Manifest Tracking Number					
		CTD 000 845 131				(860) 565-1111		009810507 JJK					
5. Generator's Name and Mailing Address Pratt & Whitney (MS 122-22) 400 Main Street East Hartford, CT 06108 (860) 565-8339													
Generator's Site Address (if different than mailing address) Pratt & Whitney-Willgoos Pent Road East Hartford, CT 06106													
6. Transporter 1 Company Name Trade be Transportation, LLC													
U.S. EPA ID Number CTD 021816 889													
7. Transporter 2 Company Name													
U.S. EPA ID Number													
8. Designated Facility Name and Site Address CW Chemical Services, LLC 1550 Balmer Road Model City, NY 14107 (716) 286-1550													
U.S. EPA ID Number NYD 049 836 679													
Facility's Phone:													
9a. HM		9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers		11. Total Quantity		12. Unit Wt./Vol.		13. Waste Codes	
						No. Type							
x		1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9. PGIII				001 DT		20575		K		B007 CR01	
		2.											
		3.											
		4.											
14. Special Handling Instructions and Additional Information 1. NY302232/ P&W 6234/ ERG171/PCB Concrete/some soils P&W Tracking: 14296 WIMS: 847290 CAN: 01-01 Gross: 79640 Tare: 34280 Net: 45360 Emergency Response: (860) 565-1111 P&W Fire Headquarters Out of Service: 4/1/13 81660666													
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.													
Generator's/Offor's Printed/Typed Name On behalf of P&W by Richard R. Houle													
Signature 													
Month Day Year 4 1 13													
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:													
17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name MARC DELAVALLA													
Signature 													
Month Day Year 4 1 13													
Transporter 2 Printed/Typed Name Signature Month Day Year													
18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number:													
18b. Alternate Facility (or Generator) U.S. EPA ID Number													
Facility's Phone:													
18c. Signature of Alternate Facility (or Generator) Month Day Year													
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)													
1. H132 2. 3. 4.													
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a Printed/Typed Name Jody Perfiniski													
Signature 													
Month Day Year 4 2 13													



CWM CHEMICAL SERVICES, LLC

1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 04/02/13 as described on Shipping Document number 009810507JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166066601
CWM Unit #: 1*0
Disposal Date: 04/02/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 364989
04/03/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

208/209/210

750 ppm

Form Approved. OMB No. 2050-0039

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CTD 000 845 131	2. Page 1 of 1 of 1	3. Emergency Response Phone (860) 565-1111	4. Manifest Tracking Number 009810517 JJK	
5. Generator's Name and Mailing Address Pratt & Whitney (MS 122-22) 400 Main Street East Hartford, CT 06108 Generator's Phone: (860) 565-8339			Generator's Site Address (if different than mailing address) Pratt & Whitney-Willgeos Pent Road East Hartford, CT 06108			
6. Transporter 1 Company Name Page E.T.C., Inc.			U.S. EPA ID Number NYD 986969947			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address CW Chemical Services, LLC 1550 Balmer Road Model City, NY 14107 Facility's Phone: (716) 286-1550			U.S. EPA ID Number NYD 049 836 679			
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
			No.	Type		
	X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII	001	DT	19,804	K
		2.				
		3.				
		4.				
13. Waste Codes B007 CR01						
14. Special Handling Instructions and Additional Information 1. NY302232/ P&W 6234/ ERG171/PCB Concrete/Soils P&W Tracking: 14314 WIMS 81729/ CAN: 07-3359 Gross: 79160 Emergency Response: (860) 565-1111 P&W Fire Headquarters Out of Service: 4/2/13 Tare: 35,500 Net: 43,660						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offor's Printed/Typed Name On behalf of P&W by Richard R. Houle			Signature Richard R. Houle		Month Day Year 4 2 13	
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.			Port of entry/exit: Date leaving U.S.:		
	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name POLIGANS FUGKE Signature Month Day Year 4 2 13 Transporter 2 Printed/Typed Name Signature Month Day Year					
DESIGNATED FACILITY	18. Discrepancy					
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
	Manifest Reference Number:					
	18b. Alternate Facility (or Generator) U.S. EPA ID Number					
	Facility's Phone:					
	18c. Signature of Alternate Facility (or Generator)					Month Day Year
	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)					
	H132					
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a					
	Printed/Typed Name Jody Pachinski		Signature Jody Pachinski		Month Day Year 4 13 13	



CWM CHEMICAL SERVICES, LLC

1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 04/03/13 as described on Shipping Document number 009810517JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166069001
CWM Unit #: 1*0
Disposal Date: 04/03/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 365008
04/04/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

208,209,210 > 50 ppm
W411

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CTD 000 845 131		2. Page 1 of 1		3. Emergency Response Phone (860)565-1111		4. Manifest Tracking Number 009810518 JJK				
		5. Generator's Name and Mailing Address Pratt & Whitney (MS 122-22) 400 Main Street East Hartford, CT 06108 (860)565-8339						Generator's Site Address (if different than mailing address) Pratt & Whitney-Willgoos Pent Road East Hartford, CT 06108				
6. Transporter 1 Company Name Page E.T.C., Inc.		U.S. EPA ID Number NYD 986969947										
7. Transporter 2 Company Name		U.S. EPA ID Number										
8. Designated Facility Name and Site Address CW Chemical Services, LLC 1550 Balmer Road Model City, NY 14107 (716) 286-1550		U.S. EPA ID Number NYD 049 836 679										
Facility's Phone:												
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII				001	DT	20,530	K	B007	CR01	
		2.										
		3.										
		4.										
14. Special Handling Instructions and Additional Information 1. NY302232/ P&W 6234/ ERG171/PCB Concrete/Soils (rec'd 20548K Emergency Response: (860)565-1111 P&W Fire Headquarters) P&W Tracking: 14315 Out of Service: 4/2/13 81660691 WIMS: 847292 CAN: DT-9466 Gross: 77,260 Tare: 32,000 Net: 45,260												
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.												
Generator's/Offeror's Printed/Typed Name On behalf of P&W by Richard R. Houle						Signature <i>Richard R. Houle</i>		Month Day Year 4 12 13				
INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____											
	17. Transporter Acknowledgment of Receipt of Materials											
TRANSPORTER	Transporter 1 Printed/Typed Name <i>Robert Diemond</i>						Signature <i>[Signature]</i>		Month Day Year 4 12 13			
	Transporter 2 Printed/Typed Name						Signature		Month Day Year			
DESIGNATED FACILITY	18. Discrepancy											
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection											
	Manifest Reference Number:											
	18b. Alternate Facility (or Generator) U.S. EPA ID Number											
Facility's Phone:												
18c. Signature of Alternate Facility (or Generator) Month Day Year												
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)												
1. H132 2. 3. 4.												
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a												
Printed/Typed Name <i>Jody P. Pinski</i>						Signature <i>[Signature]</i>		Month Day Year 4 13 13				



CWM CHEMICAL SERVICES, LLC

1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 04/03/13 as described on Shipping Document number 009810518JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166069101
CWM Unit #: 1*0
Disposal Date: 04/03/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 365009
04/04/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

208/209/210 750ppm

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CTD 000 845 131		2. Page 1 of 1 of 1		3. Emergency Response Phone (860)565-1111		4. Manifest Tracking Number 009810519 JJK					
		5. Generator's Name and Mailing Address Pratt & Whitney (MS 122-22) 400 Main Street East Hartford, CT 06108 (860)565-8339						Generator's Site Address (if different than mailing address) Pratt & Whitney-Willgoos Pent Road East Hartford, CT 06108					
6. Transporter 1 Company Name Page E.T.C., Inc.		U.S. EPA ID Number NYD986969947											
7. Transporter 2 Company Name		U.S. EPA ID Number											
8. Designated Facility Name and Site Address CW Chemical Services, LLC 1550 Balmer Road Model City, NY 14107 (716) 286-1550		U.S. EPA ID Number NYD 049 836 679											
9a. HM		9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers No. Type		11. Total Quantity		12. Unit Wt./Vol.		13. Waste Codes	
X		1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII				001 DT		20076		K		B007 CR01	
14. Special Handling Instructions and Additional Information 1. NY302232/ P&W 6234/ ERG171/PCB Concrete/Soils <i>rec'd 20321K</i> Emergency Response: (860)565-1111 P&W Tracking: 14316 Out of Service: 4/2/13 81660687 WIMS: 877293 CAN DT-5294 Gross: 80,060 Tare: 35,800 Net: 44,260													
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this Consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.													
Generator's/Offeror's Printed/Typed Name On behalf of P&W by Richard R. Houle													
Signature <i>Richard R. Houle</i>													
Month Day Year 4/2/13													
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____													
17. Transporter Acknowledgment of Receipt of Materials													
Transporter 1 Printed/Typed Name Kristen V. Nastriand													
Signature <i>Kristen V. Nastriand</i>													
Month Day Year 4/2/13													
Transporter 2 Printed/Typed Name													
Signature													
Month Day Year													
18. Discrepancy													
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection													
Manifest Reference Number: _____													
18b. Alternate Facility (or Generator) U.S. EPA ID Number													
Facility's Phone: _____													
18c. Signature of Alternate Facility (or Generator) Month Day Year													
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)													
1. H132 2. 3. 4.													
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a													
Printed/Typed Name Jody Partfinski													
Signature <i>Jody Partfinski</i>													
Month Day Year 4/13/13													



CWM CHEMICAL SERVICES, LLC

1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 04/03/13 as described on Shipping Document number 009810519JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166068701
CWM Unit #: 1*0
Disposal Date: 04/03/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

A handwritten signature in black ink, appearing to read 'Michael D. Mahar', written over a horizontal line.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 365005
04/04/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

208/209/210 550pm

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CTD 000 845 131	2. Page 1 of 1 of 1	3. Emergency Response Phone (860) 565-1111	4. Manifest Tracking Number 009810520 JJK		
5. Generator's Name and Mailing Address Pratt & Whitney (MS 122-22) 400 Main Street East Hartford, CT 06108 Generator's Phone: (860) 565-8339				Generator's Site Address (if different than mailing address) Pratt & Whitney-Willgoos Pent Road East Hartford, CT 06108			
6. Transporter 1 Company Name Page ETC, Inc.				U.S. EPA ID Number NYD986969947			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address CW Chemical Services, LLC 1550 Balmer Road Model City, NY 14107 Facility's Phone: (716) 286-1550				U.S. EPA ID Number NYD 049 836 679			
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
			No.	Type			
	X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII	001	DT	19,741	K	B007 CR01
		2.					
		3.					
		4.					
14. Special Handling Instructions and Additional Information 1. NY302232/ P&W 6234/ ERG171/PCB Concrete/Soils (ord 20902K Emergency Response: (360) 565-1111 P&W Tracking: 14317 P&W Fire Headquarters WIMS: 847294 CAN: DT-1678 Gross: 78360 Tare: 34840 Net: 43520 Out of Service: 4/2/13 81660697							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offoror's Printed/Typed Name On behalf of P&W by Richard R. Houle				Signature <i>Richard R. Houle</i>		Month Day Year 14 2 13	
INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____						
	17. Transporter Acknowledgment of Receipt of Materials						
TRANSPORTER	Transporter 1 Printed/Typed Name Robert Bickler				Signature <i>Robert Bickler</i>		Month Day Year 14 2 13
	Transporter 2 Printed/Typed Name				Signature		Month Day Year
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Manifest Reference Number: _____						
	18b. Alternate Facility (or Generator)						U.S. EPA ID Number
	Facility's Phone: _____						
	18c. Signature of Alternate Facility (or Generator)						Month Day Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
	1. H132		2.		3.		4.
20. Designated Facility Owner or Operator Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name Jody Palfinski				Signature <i>Jody Palfinski</i>		Month Day Year 14 3 13	



CWM CHEMICAL SERVICES, LLC

1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 04/03/13 as described on Shipping Document number 009810520JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166069701
CWM Unit #: 1*0
Disposal Date: 04/03/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

A handwritten signature in black ink, appearing to read 'Michael D. Mahar', written over a horizontal line.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 365014
04/04/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

DT- 750pm 208P09/120

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CTD 000 845 131	2. Page 1 of 1 of 1	3. Emergency Response Phone (860)565-1111	4. Manifest Tracking Number 009810555 JJK
5. Generator's Name and Mailing Address Pratt & Whitney (MS 122-22) 400 Main Street East Hartford, CT 06108 (860)565-8339			Generator's Site Address (if different than mailing address) Pratt & Whitney-Willgoos Pent Road East Hartford, CT 06108		
6. Transporter 1 Company Name Page E.T.C. Inc.			U.S. EPA ID Number NYD931969947		
7. Transporter 2 Company Name			U.S. EPA ID Number		
8. Designated Facility Name and Site Address CW Chemical Services, LLC 1550 Balmer Road Model City, NY 14107 (716) 286-1550			U.S. EPA ID Number NYD 049 836 679		
Facility's Phone:					
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit WL/Vol. 13. Waste Codes
x	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9, PGIII	001	DT	21,782	K B007 CR01
	2.				
	3.				
	4.				
14. Special Handling Instructions and Additional Information 1. NY302232/ P&W 6234/ ERG171/PCB Concrete/Soils 100196-2 P&W Tracking: 14337 rec'd 21673k WIMS: 848049 CAN: DT-9464 Gross: 78,520 Tare: 30,500 Net: 48,020 Emergency Response: (860)565-1111 P&W Fire Headquarters 41813 81660221					
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.					
Generator's/Officer's Printed/Typed Name On behalf of P&W by Richard R. Houle			Signature Richard R. Houle		Month Day Year 14 8 13
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:					
17. Transporter Acknowledgment of Receipt of Materials					
Transporter 1 Printed/Typed Name RW Schieck			Signature RW Schieck		Month Day Year 14 8 13
Transporter 2 Printed/Typed Name			Signature		Month Day Year
18. Discrepancy					
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
Manifest Reference Number:					
18b. Alternate Facility (or Generator) U.S. EPA ID Number					
Facility's Phone:					
18c. Signature of Alternate Facility (or Generator)					Month Day Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)					
H132		2	3	4	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a					
Printed/Typed Name Jody Parfinski			Signature Jody Parfinski		Month Day Year 14 9 13



CWM CHEMICAL SERVICES, LLC

1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 04/09/13 as described on Shipping Document number 009810555JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166072101
CWM Unit #: 1*0
Disposal Date: 04/09/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 365061
04/10/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

DT-

208/209/210 > 50ppm

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CTD 000 845 131	2. Page 1 of 1 of 1	3. Emergency Response Phone (860) 565-1111	4. Manifest Tracking Number 009810556 JJK		
5. Generator's Name and Mailing Address Pratt & Whitney (MS 122-22) 400 Main Street East Hartford, CT 06108 Generator's Phone: (860) 565-8339			Generator's Site Address (if different than mailing address) Pratt & Whitney-Willgoos Pent Road East Hartford, CT 06108				
6. Transporter 1 Company Name Page, ETC, Inc.				U.S. EPA ID Number NYD986969947			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address CW Chemical Services, LLC 1550 Balmer Road Model City, NY 14107 Facility's Phone: (716) 286-1550				U.S. EPA ID Number NYD 049 836 679			
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
			No.	Type			
	X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9. PGIII	001	DT	EST 22716	K	B007 CR01
		2.					
		3.					
	4.						
14. Special Handling Instructions and Additional Information 1. NY302232/ P&W 6234/ ERG17/PCB Concrete/Soils ^{SR} 100196-1 P&W Tracking: 14338 rec'd 22825K WIMS: 848050 CAN: DT-4784 Gross: 81080 Tare: 31000 Emergency Response: (860) 565-1111 P&W Fire Headquarters Out of Service: 4/8/13 816607a0 Net: 50,080							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Officer's Printed/Typed Name On behalf of P&W by Richard R. Houle				Signature <i>Richard R. Houle</i>		Month Day Year 4/8/13	
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____						
	17. Transporter Acknowledgment of Receipt of Materials						
TRANSPORTER	Transporter 1 Printed/Typed Name John Schieble				Signature <i>John Schieble</i>		Month Day Year 4/8/13
	Transporter 2 Printed/Typed Name				Signature		Month Day Year
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: _____						
	18b. Alternate Facility (or Generator) U.S. EPA ID Number _____ Facility's Phone: _____						
	18c. Signature of Alternate Facility (or Generator)						Month Day Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. H132		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name Jody Pafinski				Signature <i>Jody Pafinski</i>		Month Day Year 4/9/13	



CWM CHEMICAL SERVICES, LLC

1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 04/09/13 as described on Shipping Document number 009810556JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166072001
CWM Unit #: 1*0
Disposal Date: 04/09/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 365060
04/10/13

For questions please call
our Customer Service Dept.
at (800) 843-3604

350 208/209/210

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CTD 000 845 131	2. Page 1 of 1 of 1	3. Emergency Response Phone (860)565-1111	4. Manifest Tracking Number 009810522 JJK	
5. Generator's Name and Mailing Address Pratt & Whitney (MS 122-22) 400 Main Street East Hartford, CT 06108 Generator's Phone: (860)565-8339			Generator's Site Address (if different than mailing address) Pratt & Whitney-Willigoss Pent Road East Hartford, CT 06108			
6. Transporter 1 Company Name <i>Tradebe Transportation, LLC</i>			U.S. EPA ID Number CTD 021 816 889			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address CW Chemical Services, LLC 1550 Balmer Road Model City, NY 14107 Facility's Phone: (716) 286-1550			U.S. EPA ID Number NYD 049 836 679			

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit WL/Vol.	13. Waste Codes		
		No.	Type					
X	1. UN3432, Polychlorinated Biphenyls, Solids Mixture 9. PGIII	001	DT	EST 16293	K	B007	CR01	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information

1. NY302232/ P&W 6234/ ERG171/PCB Concrete/Soils recd 119840K Emergency Response: (860)565-1111
 P&W Tracking: 14319 P&W Fire Headquarters
 WIMS: 848051 CAN: 07-03 Gross: 79,340 Tare: 43,420 Net: 35,920 Out of Service: 4/8/13 81640715

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
 I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: On behalf of P&W by Richard R. Houle Signature: *Richard R. Houle* Month: 14 Day: 8 Year: 13

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____
 Transporter signature (for exports only): _____ Date leaving U.S.: _____

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: *Peter DiPalma* Signature: *Peter D. Palma* Month: 04 Day: 08 Year: 13
 Transporter 2 Printed/Typed Name: _____ Signature: _____ Month: _____ Day: _____ Year: _____

18. Discrepancy

18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Qty est actual recd 19840K Manifest Reference Number: _____

18b. Alternate Facility (or Generator) U.S. EPA ID Number: _____

Facility's Phone: _____

18c. Signature of Alternate Facility (or Generator) Month: _____ Day: _____ Year: _____

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. *H132* 2. _____ 3. _____ 4. _____

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a.

Printed/Typed Name: *Jody Perfinski* Signature: *Jody Perfinski* Month: 14 Day: 9 Year: 13



CWM CHEMICAL SERVICES, LLC

1550 Balmer Road
Model City, NY 14107
(716) 286-1550
(716) 286-0211 Fax

PRATT & WHITNEY
ATTN: CYNDY CYR
CTD000845131
400 MAIN STREET M/S 122-22
EAST HARTFORD CT 06108

CERTIFICATE OF DISPOSAL

CWM CHEMICAL SERVICES, L.L.C., EPA ID: NYD049836679, has received waste material from PRATT & WHITNEY on 04/09/13 as described on Shipping Document number 009810522JJK Sequence number 01. CWM CHEMICAL SERVICES, L.L.C. hereby certifies that the above described material was landfilled in accordance with the 40 CFR part 761 as it pertains to the land disposal of polychlorinated biphenyl contaminated materials.

Profile Number: NY302232
CWM Tracking ID: 8166071501
CWM Unit #: 1*0
Disposal Date: 04/09/13

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C 1001 and 15 U.S.C. 2615) I certify that the information contained in or accompanying this document is true accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true accurate and complete.

A handwritten signature in black ink, appearing to read 'Michael D. Mahar', written over a horizontal line.

MICHAEL D MAHAR
DISTRICT MANAGER
Certificate # 365055
04/10/13

For questions please call
our Customer Service Dept.
at (800) 843-3604